

Refined assessment and perspectives on the cumulative risk resulting from the dietary exposure to pesticide residues in the Danish population

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ABSTRACT

Relatively few studies are available on realistic cumulative risk assessments for dietary pesticide exposure. Despite available studies showing low risk, public concern remains. A method to estimate realistic residue levels based on information from spraying journals and supervised residue trials was described in a previous publication. The present article proposes a new method to estimate average residue levels in imported foods based on residue monitoring data and knowledge about agronomic practices. The two methods were used in combination to estimate average pesticide residue levels in 47 commodities on the Danish market. The chronic consumer exposure was estimated in six Danish diets. The Hazard Index (HI) method was used to assess consumer risk. Despite the conservative (cautious) risk assessment approach, low HI values were obtained. The HI was 16% for adults and 44% for children, combining the risk of all pesticides in the diet. Conclusion: the present study adds support to the evidence showing that adverse health effects of chronic pesticide residue exposure in the Danish population are very unlikely. The HI for pesticides for a Danish adult was on level with that of alcohol for a person consuming the equivalent of 1 glass of wine every seventh year.

1. Introduction

According to European Union (EU) law (Regulation (EC) No 396/2005 and Regulation (EC) No 1107/2009), once suitable methods are available, the cumulative risks of plant protection products and their residues to consumers have to be taken into account before approving pesticide active substances, authorizing plant protection products or setting of Maximum Residue Levels (MRLs). This is because both on the short and on the long term consumers are exposed to residues of multiple different pesticides (EFSA, 2015; EFSA, 2016). There is public concern that the effects of these residues might add up and jointly pose a risk for the consumer. In practice, however, the dietary risk assessments conducted before approving active substances, authorizing plant protection products or setting MRLs largely focus on the effects of single active substances taken in isolation or on the combined effects of substances present in the same plant protection product. Since an appropriate methodology is not available yet, the cumulative risks that might result from the use of multiple plant protection products are not considered yet. The responsibility for developing such a methodology lies with the European Food Safety Authority (EFSA) which has been spending considerable efforts on this topic since 2006, reviewing

existing methodologies (EFSA, 2008; EFSA, 2013a), setting a framework for the use of probabilistic risk assessment approaches (EFSA, 2012; Van der Voet et al., 2016) proposing a mathematical model for the evaluation of combined effects (EFSA, 2013b) and defining groups of pesticides for cumulative risk assessment, the so-called cumulative assessment groups (CAGs) (EFSA, 2014). Besides EFSA and other institutes funded by EU authorities, activities aiming at the implementation of cumulative risk assessments in accordance with the EU legislation on pesticides are also on-going in some Member States (Solecki et al., 2014; Stein et al., 2014).

It is generally admitted that cumulative risk assessments are best performed using a tiered approach in which the assessment is progressively refined based on exposure and/or toxicity considerations, depending on what is more straightforward and more efficient (Meek et al., 2011). While some cumulative risk assessments start by considering residues of all possible types of pesticides, this is usually considered to be over-conservative and it is commonly recognized that refined cumulative risk assessments should focus on groups of pesticides that share similar toxicological properties. While EFSA decided to group compounds that have similar toxicity effects to the same target organ (EFSA, 2013b; EFSA, 2014), there is still debate about whether it

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is possible to refine the cumulative risk assessments even further by focusing on even smaller groups. For instance, cumulative risk assessments were performed for groups of pesticides having similar chemical structures, similar modes of action or similar mechanisms of action (Boobis et al., 2008; EFSA, 2009). The reasons for these grouping approaches are varied and besides scientific arguments also include practical considerations (availability of monitoring data) and regulatory aspects (according to current US law cumulative risk assessments needs to be conducted for compounds sharing a common mechanism of action).

In the literature, reports on the cumulative risks resulting from pesticide residues typically focus on a few pesticide groups, e.g. insecticides (Boon et al., 2008; Jensen et al., 2009; Wong et al., 2014) or a specific mode of action, e.g. endocrine (Jensen et al., 2013). There is one report in which the full dietary residue exposure was quantified, accompanied with a cumulative risk assessment, using the hazard index method (Jensen et al., 2015). In quantifying the total mean exposure, previous studies all struggle with some basic methodological problems: 1) they are based on residue data from a limited number of food samples, originating from National Monitoring Programs (NMPs), or taken by researchers 2) the sampling programs usually do not analyze all pesticides possibly present in the foods 3) the quantification limits (LOQ) are usually in the 0.01–0.05 mg/kg range, and residues below this level cannot be quantified. We recently published an alternative method, based on spraying journal data in combination with data from supervised residue trials that can overcome these limitations (Larsson et al., 2017). However, comprehensive accessible spraying journal data is not available from most food producing countries. Therefore, NMP-data is still the main source of data to estimate average residue levels.

The chronic health risk due to the exposure to single pesticide residues may be estimated based on average residue levels and typical diet compositions (Boobis et al., 2008). The cumulative chronic health risk of the exposure to a group of pesticides can be assessed using the Hazard Index (HI) method, which is based on the dose addition model (Boobis et al., 2008; Kortenkamp et al., 2012; Reffstrup et al., 2010; Wilkinson et al., 2000).

The purpose of this study was to improve the model for calculating average residue levels from monitoring data, by incorporating knowledge about agronomic practices in the main exporting countries. The hypothesis was that incorporating knowledge about how many different pesticides are typically used in a crop in a season, would allow for more correct estimation of average residue levels. This would offer improved ways to deal with the majority of measurements, which are those showing no residues above the reporting limit (hereafter referred to as the limit of quantification, LOQ). The purpose was also to take into account the monitoring data from EU, as published by EFSA, to make a risk assessment in the Danish population also including pesticides that are not monitored in the Danish NMP.

The main final purpose of the study was to make a dietary risk assessment for typical diets in the Danish population. By combining the two newly developed methods for exposure assessment, realistic but nevertheless conservative average exposure levels were derived:

Method 1 based on spraying journal data and data from supervised residue trials for foods produced in Denmark (Larsson et al., 2017).

Method 2 based on NMP-data refined with data on number of applied active ingredients in major producing countries, for foods imported to Denmark.

The purpose was also to follow up on the results published by Jensen et al. (2015), that suggested low risk from combined pesticide residue exposure in the Danish population in the period 2004–2011, although there was some level of uncertainty in the results depending on the method used to account for below LOQ (left censored) measurements (Jensen et al., 2015). We wanted to investigate whether their findings were repeatable for the period 2013–2014, and whether our refined methods could estimate average residue levels in a more accurate way.

Table 1

Consumer groups from which consumption data was derived (Petersen et al., 2013). Detailed consumption data can be found in Table 2.

	Adult	Male	Female	Child	Male HFV ^a	Female HFV ^a
Age	15–75	15–75	15–75	4–6	15–75	15–75
Bodyweight (kg)	75.1	83.5	68.2	21.8	84.4	69
Number	1599	721	878	106	118	258

^a HFV = High Fruit & Vegetables, consuming higher than average amount of fruits and vegetables, e.g. vegetarians.

Finally, the purpose was to place the risk level of chronic pesticide exposure in relation to other dietary exposures. For that purpose we chose to compare with common mycotoxin intakes from grains and maize, and with average caffeine and alcohol intakes in the Danish population.

2. Method

2.1. Dietary data, crop selection and crop areas

Six different diets were used to represent the consumption pattern in the Danish population: Adult, Man, Woman, Child and Male with High fruit & Vegetable consumption (HFV) and Female with HFV consumption (Table 1). The diets were based on consumption data reported by the National Food Institute, Technical University of Denmark (Petersen et al., 2013). The data originated from the Danish National Dietary Survey 2003–2008 (Pedersen et al., 2010). This cross-sectional survey included 2700 participants aged 4–75 years old drawn from the Danish Central Person Register. The participants were characterized as closely representative of the Danish population, and the data has been used in a previous pesticide residue exposure study (Jensen et al., 2015). The consumption of sugar was estimated from the results of the national food survey 2011–2013, published by Danish Technical University (Pedersen et al., 2015). The consumption of beer was estimated from statistics published by Danish Statistics (www.dst.dk) and the Brewers Union (www.bryggerforeningen.dk).

All crops that contributed at least 0.1% of the adult or child diets were included in the analysis. This ensured coverage of more than 99% of the diet by weight (Table 2). No products of animal origin were included, since no pesticide residues have been detected in the 477 animal product samples taken in Denmark in 2013 and 2014 (Fødevarestyrelsen, 2014; Fødevarestyrelsen, 2015). Coffee was not included either since pesticide residues are largely eliminated in the roasting process (Mekonen et al., 2015).

The total crop areas cultivated in 2013 and 2014 for Danish produced crops were obtained from Danish Statistics web database (www.dst.dk, see Table 2).

2.2. Method 1: estimation of residues from spraying journal and EU residue trial data, foods produced in Denmark

Method 1 has been completely described and validated in a previous publication (Larsson et al., 2017).

Method 1 was applied unchanged in the present report, with the exception of it being adjusted for the fraction of consumption expected to be of domestic production origin, as described below:

The average residue resulting from each pesticide treatment was calculated according to equation (1):

$$\text{Estimated Residue} \left(\frac{\text{mg}}{\text{kg}} \right) = \text{STMR} \left(\frac{\text{mg}}{\text{kg}} \right) \times \text{Dosage Factor} \times \text{Area Factor} \times \text{DF} \quad (1)$$

STMR = Supervised trial median residue level, as measured during

Table 2

Commodities included in the study, total cultivated area in Denmark and consumption levels in the various standard diets. Area data taken from Danish Statistics database, or aggregated spraying journals area, whichever was the highest. Consumption data originated from the Danish National Dietary Survey 2003–2008 (Pedersen et al., 2010). The consumption of sugar was estimated from the results of the national food survey 2011–2013, published by Danish Technical University (Pedersen et al., 2015). The consumption of beer was estimated from statistics published by Danish Statistics (www.dst.dk) and the Brewers Union (www.bryggerforeningen.dk).

* = Commodities for which EFSA has published average residue levels from the combined EU monitoring programs (EFSA, 2015; EFSA, 2016).

Crop/Commodity	Total area cultivated area in Denmark (hectares) and assumed fraction of consumption that is imported (IF)				Consumption level (g kg bw ⁻¹ day ⁻¹)					
	2013 area DK (ha)	2013 IF	2014 area DK (ha)	2014 IF	Adult	Male	Female	Child	Male HFV	Female HFV
Wheat ^a	570,854	0	668,443	0	1.120	1.130	1.110	3.120	1.110	1.060
Spring Barley (consumption beer)	578,675	0	490,533	0	0.620	0.634	0.586	0.000	0.627	0.579
Rye ^a	88,181	0	104,093	0	0.527	0.599	0.468	1.630	0.665	0.527
Potato ^a	35,435	0	42,617	0	1.270	1.490	1.090	2.27	1.510	1.040
Sugar Beet (consumption sugar)	44,416	0	35,859	0	0.687	0.710	0.656	2.110	0.699	0.648
Oat ^a	53,488	0	34,830	0	0.109	0.123	0.098	0.340	0.137	0.104
Pea ^a	2835	0.38	4819	0.53	0.119	0.106	0.131	0.135	0.185	0.191
Carrot ^a	1933	0.31	2025	0.26	0.498	0.349	0.620	1.480	0.558	1.040
Apple & Pear ^a	1862	0.62	1792	0.52	1.280	1.040	1.480	3.300	2.623	2.694
Strawberry ^a	1026	0.37	1455	0.39	0.071	0.040	0.096	0.137	0.095	0.199
Onion	1112	0	1180	0	0.149	0.156	0.144	0.210	0.184	0.176
Lettuce ^a	1059	0.64	1148	0.54	0.090	0.075	0.103	0.066	0.111	0.126
Head Cabbage ^a	790	0.36	790	0.61	0.084	0.075	0.091	0.098	0.089	0.135
Cauliflower ^a	297	0.62	315	0.62	0.037	0.033	0.041	0.031	0.059	0.059
Leek ^a	304	0.69	315	0.33	0.027	0.023	0.030	0.032	0.031	0.042
Broccoli ^a	183	1	284	0.63	0.034	0.027	0.041	0.047	0.073	0.070
Spinach ^{a,b}	134	0.77	134	0.73	0.011	0.011	0.012	0.023	0.008	0.018
Celeriac	128	0	112	0	0.014	0.013	0.015	0.034	0.015	0.019
Plum	70	0.86	61	0.88	0.042	0.026	0.055	0.089	0.080	0.090
Cucumber ^{a,b}	53	0.48	50	0.50	0.222	0.162	0.271	1.350	0.324	0.406
Tomato ^{a,b}	35	0.48	34	0.52	0.518	0.464	0.563	0.971	0.740	0.756
Brussel sprouts ^b	27	0	27	0	0.014	0.011	0.017	0.019	0.030	0.029
Gherkin (greenhouse) ^b	2	0	2	0	0.021	0.025	0.018	0.030	0.024	0.019
Wines ^a	0	1	0	1	1.240	1.242	1.241	0.000	1.447	1.233
Orange ^a	0	1	0	1	0.790	0.667	0.891	1.982	1.240	1.248
Banana ^a	0	1	0	1	0.454	0.347	0.541	1.270	0.690	0.883
Table Grapes ^a	0	1	0	1	0.173	0.100	0.234	0.372	0.269	0.401
Melon	0	1	0	1	0.139	0.065	0.200	0.773	0.166	0.423
Peach + Nectarine ^a	0	1	0	1	0.136	0.098	0.167	0.380	0.265	0.288
Mandarin + Clementine ^a	0	1	0	1	0.108	0.070	0.140	0.145	0.187	0.269
Peppers ^a	0	1	0	1	0.100	0.074	0.120	0.248	0.122	0.190
Rice ^a	0	1	0	1	0.082	0.083	0.081	0.162	0.111	0.093
Pasta	0	1	0	1	0.077	0.081	0.073	0.291	0.105	0.072
Kiwi	0	1	0	1	0.043	0.012	0.068	0.129	0.030	0.138
Mushroom	0	1	0	1	0.042	0.042	0.042	0.045	0.053	0.059
Pineapple ^c	0	1	0	1	0.039	0.020	0.055	0.062	0.044	0.097
Watermelon	0	1	0	1	0.039	0.018	0.056	0.218	0.047	0.119
Avocado ^c	0	1	0	1	0.030	0.014	0.043	0.017	0.035	0.064
Courgette/Squash	0	1	0	1	0.022	0.020	0.023	0.005	0.065	0.042
Tea ^c	0	1	0	1	0.022	0.014	0.029	0.003	0.024	0.034
Raisin	0	1	0	1	0.022	0.014	0.029	0.103	0.028	0.049
Grapefruit	0	1	0	1	0.019	0.012	0.025	0.025	0.033	0.047
Beans ^a	0	1	0	1	0.018	0.016	0.020	0.032	0.028	0.031
Aubergine ^{a,c}	0	1	0	1	0.011	0.010	0.012	0.003	0.028	0.021
Raspberry + Blackberry	0	1	0	1	0.010	0.005	0.015	0.021	0.012	0.032
Dried corn	0	1	0	1	0.005	0.003	0.007	0.043	0.002	0.009

^a Commodities for which EFSA has published average residue levels from the combined EU monitoring programs (EFSA, 2015; EFSA, 2016).

^b No spray journal data available for 2013, assessment based on 2014 data only.

^c Relatively few samples taken in Danish NMP during 2013, assessment based on 2014 data only.

GLP residue trials conducted with the critical GAP dose rate. The vast majority of STMR values were retrieved from published EFSA MRL reviews.

Dosage Factor = The fraction of the critical GAP dose rate that was used by the Danish farmer, as reported in their spraying journals.

Area Factor = The fraction of the total Danish crop area that was sprayed with a certain pesticide.

DF = Domestic Factor is the fraction of the consumption estimated to be domestically produced. This was calculated from the fraction of samples domestic/imported taken in the Danish NMP, similar to (Jensen et al., 2015).

In total, 1291 different pesticide treatments were included in the residue calculations for the 25 crops shown in Table 2. Post-harvest storage treatment occurs in Denmark for some crops, but these are not included in the spraying journal dataset. The residue levels resulting from post-harvest uses were estimated using Danish and European monitoring data (Method 2).

2.3. Method 2: estimation of residues from monitoring data, foods imported to Denmark

Foods and drinks are imported to Denmark from all over the world.

Estimating residues in imported foods based on spraying journal data was not possible since such data was not available. Instead exposure had to be estimated from data published by national pesticide residue monitoring programs (NMPs). Denmark has a national program that analyses around 2500 food samples per year for residues of approximately 350 different pesticides. EFSA annually publish monitoring data from all EU countries, covering around 80.000 samples per year analyzing more than 700 different pesticides. However, EU average residue levels are only published for a selection of major crops. In this study, the residues in imported foods were estimated using data from both Danish NMP and EFSA.

A number of problems need to be dealt with in a proper way when using monitoring data to estimate average residue levels for cumulative risk assessment. Below is a description of these and how we chose to deal with them:

1) Selection of pesticides to include: As our purpose was to estimate the risk in the Danish population, hence we worked with the Danish monitoring data as the basis for our residue estimations in imported commodities. As indicated above, not all pesticides possibly present are monitored in the Danish NMP. Therefore, we chose to include also all the additional pesticides that was not monitored in the Danish program, but that had been detected in the EU monitoring programs. For this purpose, we used the average residue levels published by EFSA for 26 major crops (marked¹ in Table 2) (EFSA, 2015; EFSA, 2016). Furthermore, as the number of samples taken in a given year is limited and the LOQs are not very low (often 0,01 mg/kg), there is a risk that pesticides present in a certain crop is not detected and thereby excluded from the risk assessment. To reduce this risk we included all pesticides detected in 2014 but not in 2013, and vice versa, for both years.

Example, in the 2014 Danish monitoring, 20 different pesticides were detected in peppers (in 57 samples). Another 6 pesticides were detected in the 2013 Danish monitoring (these 6 were not detected in 2014 but as a conservative approach it was decided to include them in the calculation for 2014). Another 16 pesticides that were not monitored in Denmark, were detected in the EU monitoring programs during 2014. In total, 20 + 6 + 16 = 42 different pesticides were included in the 2014 exposure calculation for peppers. The corresponding figure for the 2013 calculation was 40 different pesticides. The reason for the difference between 2013 and 2014 was that two more pesticides were detected in the EU monitoring of 2014.

2) Handling of below LOQ (left censored) data: typically when working with monitoring data, there is a number of measurements above the LOQ, for which the residue level is known. Then there is a number of measurements below the LOQ, for which the level is not known and may be anywhere between zero and LOQ. Our basic calculation assumption was that all below LOQ were equal to LOQ, which is a worst case assumption. However, in any given sample there can only be as many different pesticides as has been applied to the crop.¹ In a survey with crop managers in the major food exporting countries we collected information about number of pesticides applied in a typical crop season in the major exporting countries around the world (appendix 1). The major exporting countries were defined from the frequency of sample origins in the monitoring program. Using this information we were able to refine the exposure calculation model, as described below.

3) Selection of data to use: The Danish NMP data has the obvious

advantage of originating from samples taken in the Danish food market. Thus it has direct relevance for the exposure level of Danish consumers. However, there is a risk that the average residues calculated from the Danish program might be biased by the relatively limited number of samples taken. The EU average residue data published by EFSA has the advantage of coming from a much larger sample size. We chose to base our residue calculation model on a combination of Danish and EU compiled monitoring data, as described below.

4) Handling of MRL exceedances: If an MRL exceedance is detected in the monitoring program, the commodity is normally taken off the market. However, since we could not exclude the possibility that some of these products were consumed, we included all the MRL exceedances in our calculations.

The main model for average residue estimation in imported crops can be seen in equation (2):

$$ER \left(\frac{\text{mg}}{\text{kg}} \right) = \frac{(\text{Detects} \times \text{DKavg}) + (\text{LOQ} \times (n < \text{LOQ} \times \text{fraction} < \text{LOQ assigned}))}{\text{Number of samples Danish program}} \times \text{CF} \times \text{PF} \times \text{IF} \quad (2)$$

ER = Estimated average residue level in mg/kg.

Detects = The number of detects above the LOQ.²

DKavg = The average value of the detects above LOQ in the Danish NMP.³

CF = Conversion Factor, for converting from residue definition for monitoring to residue definition for risk assessment.

PF = Processing Factor, for change in residue level following processing steps like peeling, cooking, baking etc. In the present study, only peeling processing factors were included for imported commodities (see appendix 4)

IF = Import Fraction, is the fraction of the consumption estimated to be imported. This was calculated from the fraction of samples domestic/imported taken in the Danish NMP, similar to (Jensen et al., 2015)

LOQ = Limit of quantification. In the Danish NMP, the LOQ is in most cases 0.01 mg/kg but in a few cases higher or lower. For all pesticides not monitored in Denmark, where averages were obtained from EFSA reports, the LOQ was assumed to be 0.01 mg/kg.
 $n < \text{LOQ}$ = The total number of below LOQ residues expected in the Danish NMP sample dataset for a crop in a given year, based on how many pesticides are used in the crop on average, minus the ones detected above the LOQ. The total number of below LOQ to assign to the different pesticides is calculated according to equation (3):

$$n < \text{LOQ} = (\text{average number pesticides used in crop} \times \text{no of samples Danish NMP}) - \text{Number} > \text{LOQ} \quad (3)$$

Fraction < LOQ assigned = The fraction of the total < LOQ residues in a crop that is assigned to a specific pesticide. We distributed the < LOQ residues according to, depending on which data was available, the EU or the Danish average residue level. Pesticides with higher EU/DK average residue level had more < LOQ assigned to them. The fraction < LOQ assigned to one pesticide was calculated with equation (4):

$$\text{fraction} < \text{LOQ assigned} = \frac{\text{EU/DK average}}{\sum \text{EU/DK averages}} \quad (4)$$

As implied by the above, our model was based on a *distribution* of

¹ In rare cases, there may be residues of pesticides applied to the previous crop. However, due to the low level, they are extremely unlikely to be of significance to the overall hazard index of pesticide residues. The hazard index is expected to be completely driven by the pesticides applied to the current crop.

² For an explanation on how theoretical detects was handled for pesticides not monitored in Denmark, see footnote at the next page.

³ For pesticides not monitored in the Danish NMP, the EU average reported by EFSA was used instead.

the expected total number of < LOQ residues among the pesticides included in the data set for a crop in a given year. The distribution was decided by the level of the average residue for that pesticide, so that a pesticide with a high reported average residue value also got a larger share of the below LOQs assigned to it. This procedure was based on the assumption that higher average reflected higher usage, and in turn more frequent presence of residues of the pesticide in the crop, both above and below the LOQ.

To further explain the method, the following example is provided: 57 samples of peppers were taken in the Danish NMP in 2014. As mentioned above, 42 different pesticides were included in our pepper exposure calculation for 2014. Without any refinement, the cumulative exposure calculation would have assumed that each of the 57 samples contained residues of all the 42 pesticides, at least at the LOQ level. However, from our survey (appendix 1), it was known that on average only 9 different pesticides are applied when growing peppers. Thus each one of the 57 samples should not contain more than maximum 9 different pesticides. That means in the total dataset for peppers, there should be no more than $57 \times 9 = 513$ residues, out of which 79⁴ were detected above the LOQ. After subtracting the 79 detects from the total 513, the remaining 434 potential residues (assumed to be at the level of the LOQ) were distributed between the 42 pesticides included in the assessment for peppers. The distribution was done according to equation (3).

For a range of crops for which the refinement on number of pesticides used was not applied, the following model was used, Equation (5):

$$ER \left(\frac{\text{mg}}{\text{kg}} \right) = (\text{EU average, assuming } < \text{LOQ} = \text{LOQ}) \times CF \times PF \times IF \quad (5)$$

For a range of crops for which the refinement on number of pesticides used was not applied, and for which no EU average residue levels were available, the following model was used, Equation (6):

$$ER \left(\frac{\text{mg}}{\text{kg}} \right) = (\text{Danish Average, assuming } < \text{LOQ} = \text{LOQ}) \times CF \times PF \times IF \quad (6)$$

2.4. Risk assessment - the hazard index method

The hazard index (HI) method was used to make a worst case cumulative health risk assessment of the calculated residue exposures in the 6 different population diets (Table 1). The latest published (as of 2016) Acceptable Daily Intake (ADI) values from EFSA or EU were used as toxicity input (see appendix 3). Hazard Index method is based on the dose addition model, by which the effect of a mixture of compounds is estimated by adding up the exposures to the individual compounds corrected for their respective potencies. This model is generally considered most appropriate to evaluate the combined effects of mixtures of compounds that share the same target organ and same mode of action, and that are present far below their NOAEL (No Observed Adverse Effect Level) at concentrations where synergistic or antagonistic effects are unlikely to occur (Boobis et al., 2008; Wilkinson et al., 2000). However, the model has also been used to predict cumulative effects for compounds with different target organs and/or different modes of

⁴ Out of the 79 calculated as detected above LOQ, 54 were detected in the 2014 Danish NMP. The remaining 25 were detected assigned to the 16 pesticides detected in the EU monitoring programs, that were not monitored in Denmark. We assumed that these 16 pesticides would have been detected also in Denmark, if they had been monitored. We chose to make a rough estimate on the number of theoretical detects of these pesticides by multiplying the EU average value with 100. This led to, on average, 1 to 2 detects per pesticide being assumed in the calculation for the 16 pesticides. This approach was based on an observation of general correlation between the level of the EU average and number of detections occurring in the Danish monitoring, for substances included in both.

action. This is considered to be a conservative approach, especially if the compounds included in the risk assessment do not share the same target organs (Kortenkamp et al., 2012; Refstrup et al., 2010). Hence, dose addition of all pesticides was chosen as a simple first tier model in this project. Equation (7):

$$\text{Cumulative \% ADI (Hazard Index)} = \sum \frac{\text{residue level} \times \text{crop consumption}}{\text{ADI}} \times 100 \quad (7)$$

This is analog to the Hazard Index (HI) method published elsewhere (Boobis et al., 2008; Jensen et al., 2015; Wilkinson et al., 2000).

2.5. Perspective on hazard index of pesticides – comparison with mycotoxins, caffeine and alcohol

In order to place the derived HI:s for pesticides into perspective, comparisons were done with average intakes of mycotoxins, caffeine and alcohol. For mycotoxins, a HI was calculated as % of TDI (Tolerable Daily Intake) in the six Danish population groups. The TDI:s and ADI:s are comparable in this case, as similar safety factors are used to derive both. The mycotoxins considered were deoxynivalenol (DON) and HT2+T2. Exposure of mycotoxins was calculated from Danish monitoring data in wheat, rye, oats and maize for the 2014 harvest (FVST, 2015). It should be noted that DON, HT2+T2 and other mycotoxins occur also in other crops but were not taken into account in the present study. Average exposure levels of mycotoxins were calculated assuming that non-detects were at LOQ level. TDI value for DON obtained from (Pieters et al., 2002), and for HT2+T2 from (Knutsen et al., 2017).

For caffeine and alcohol, the term Hazard Quotient (HQ) is used instead of HI, since the HI implies cumulative risk of several compounds, and caffeine and alcohol was evaluated as single compound exposures. For caffeine and alcohol there are no officially derived ADI or TDI values. Instead, theoretical ADI:s were derived by using the same type of data as for pesticides, i.e. NOAEL values from rodent studies, divided by safety factors of 100. For caffeine, a mice reproductive NOAEL of 22 mg/kg bw/day (UNEP, 2002) was used, resulting in a theoretical ADI of 0.22 with a safety factor of 100. For alcohol, a no effect level of 87 mg/kg bw/day for oral hazard, general population (ECHA, 2011), gave a theoretical ADI of 0.87 with a safety factor of 100.

The average Danish caffeine consumption was 319 mg/day, roughly 3 cups of coffee per day (Panel, 2015).

The average alcohol consumption in Denmark was roughly 10 L pure alcohol/person/year (www.sst.dk), which equals roughly one glass of wine per day.

Microsoft Excel was used for all calculations.

3. Results

2734 average residue levels were calculated for the years 2013 and 2014 (1291 with method 1 for Danish produced commodities and 1443 with method 2 for imported commodities). For commodities that were both produced in Denmark and imported, the final results were obtained by combining method 1 and 2 and using the import fraction as described above to estimate the fraction domestic and imported consumption.

The results of the cumulative risk assessment (Table 4, Fig. 1) estimated the HI at 15.9% for Adults and 43.6% for Children aged 4–6. Adult females had a slightly higher HI (17.9%) than adult males (13.3%). Male and Female high fruit and vegetable consumers had a higher HI (21.9 and 26.4%, respectively) than correspondingly aged individuals with lower consumption of fruits and vegetables.

By crop/commodity, the top 3 contributors to total HI for adult consumers were apple, carrot and wheat (Fig. 2, Table 4). It should be noted that a single MRL exceedance may increase the HI for a crop

Table 3

The average residue calculation model applied to the various crops.

	Refinement, number of pesticides used in crop:	Origin of average residue input values ^a	Crops/Commodities
Equation (2) ^a	Yes	EU (EFSA)	Apples, Aubergine, Banana, Beans, Carrot, Cucumber, Lettuce, Mandarine + Clementine, Orange, Peach + Nectarine, Pears, Peppers, Rice, Rye, Spinach, Strawberries, Table Grapes, Tomatoes, Wheat, Wine,
Equation (2) ^a	Yes	Danish NMP	Blackberries, Grapefruit, Kiwi, Melon, Plum, Raspberries, Tea
Equation (5)	No	EU (EFSA)	Broccoli, Cauliflower, Head Cabbage, Leek, Peas without pods, Danish produced Wheat and Rye (post-harvest uses only)
Equation (6)	No	Danish NMP	Avocado, Champignon, Courgette/Squash, Dried corn, Pasta, Pineapple, Raisin, Watermelon, Danish produced Potatoes (post-harvest uses only)

^a For commodities for which equation (2) was used, the average value was used for the “fraction < LOQ assigned” calculation (equation (4)).

beyond what could be expected from consumption level and normal pesticide usage. This was the case for carrots and dried corn (dried maize), where the HI was sharply increased by a finding of Aldrin + dieldrin in Albanian carrots in 2014, and a finding of dichlorvos in Argentinian dried corn in 2014 (see Table 6 for details).

198 different pesticide active substances were included in the calculations. However, the top 25 in terms of cumulative HI (Table 5, Fig. 3) accounted for 77% of the total HI in adults, and 85% in children. Aldrin + dieldrin was the pesticide with the highest contribution to the HI in adults (2% of ADI). It also significantly contributed to the HI for children (5% of ADI). This was much driven by the mentioned single MRL exceedance finding in Albanian carrots in 2014. In children, dichlorvos was the pesticide that contributed the most to the HI (10.7% of ADI). This was also driven by a single high finding in Argentinian dried corn in 2014. This dried corn was taken off the market after the finding.

3.1. Proportion of HI resulting from legal versus presumed illegal use

34% of the overall HI in the group child aged 4–6 resulted from six findings that indicated illegal pesticide use (see Table 6). All these six findings were pesticides that are not approved in EU, and for which the highest reported residue level was more than twice the MRL.

3.2. Perspectives on the results of cumulative risk assessment

To set the present results on pesticides HI into perspective, our results were compared with the HI of mycotoxins (Fig. 4) and caffeine and alcohol (Fig. 5). It could be shown that the HI of three mycotoxins (Deoxynivalenol (DON), HT2 & T2) in wheat, rye, oats and maize were higher than for pesticides in all diet groups, except for female HFV (High Fruit & Vegetable consumer).

As a further perspective on risk level, the hazard index of pesticides was compared with theoretical hazard quotients (HQs) of caffeine and alcohol. Hereby, it could be shown that the HQs of caffeine and alcohol, as resulting from average consumption in the Danish population, were substantially higher than the HI for pesticides (Fig. 5). Compared to the pesticide HI, the caffeine and alcohol HQs were 120 and 2600 times higher, respectively. Alcohol at the average Danish consumption level, equivalent to 1 glass of wine per day, gave a HQ of 41.379% of the theoretical ADI. The HI for pesticides for a Danish adult (16%) was on level with the HQ for alcohol for a person consuming only 1 glass of wine every seventh year.

4. Discussion

We present in this study a refined assessment of the cumulative exposure to pesticide residues in the Danish population. The refinements were accomplished using two new methods. Strengths and

limitations of method 1 has been thoroughly discussed in another publication (Larsson et al., 2017). Method 2 is discussed below, and in the last section the results of the cumulative risk assessment are discussed and placed into perspective.

4.1. Method 2 validation

Method 2 relied on residue monitoring data and was an attempt to refine and improve the calculation of realistic average exposure levels and give more accurate and less uncertain estimates than have been provided in other studies.

4.2. Method 2 selection of input monitoring data

We chose the strategy to combine the Danish and EU monitoring programmes and try to make use of their respective strengths. Using the EU data, we could be more certain that all relevant pesticides in a crop were accounted for in the risk assessment. Using the Danish data, we could be more certain that the risk assessment was relevant for the Danish population, than we would have been if we would have only used EU data.

We included all the additional pesticides that were detected in the EU-programs, and which were not monitored in Denmark. But since these were not monitored in Denmark, we cannot know if they were all of relevance for the Danish population risk assessment, thereby potentially overestimating the risk. On the contrary, for some crops (see Table 2) we could only rely on Danish data and for those there is a potential that some pesticides of relevance were not included, because they were not monitored. There is also a potential risk that some pesticides included in the Danish NMP escaped detection by chance during 2013 and 2014, due to the low number of samples in some commodities. If such cases existed, these pesticides would not have been included in the risk assessment. But we believe these were unlikely to be of significance in the overall result.

The EU average residue levels reported by EFSA are not true averages, because they assume that all < LOQ are at the level of the LOQ. As such, they are “pessimistic” averages. The same is true if an average is calculated from Danish NMP data with the same assumptions. This means that average residue levels calculated with equations (5) and (6) (Table 3) overestimated the actual average residue level.

Due to low number of samples in certain commodities in the Danish NMP, there was an uncertainty in calculating average residue levels. This concerns primarily the commodities for which equation (6) was used (see Table 3).

Table 4

The Hazard Index (HI, expressed as cumulative % of the Acceptable Daily Intake, ADI) of pesticide residues in the top 47 most consumed commodities in Denmark. Data shown are average % ADI for the years 2013 and 2014. Residue levels estimated by: 1) spraying journal data combined with supervised residue trial data (foods produced in Denmark), 2) residue monitoring data refined with data on number of applied active ingredients in the major exporting countries (imported foods). Consumption data originated from the Danish National Dietary Survey 2003–2008 (Pedersen et al., 2010).^{a,b}

	Adult	Male	Female	Child	Male High Fruit & Veg Consumer	Female High Fruit & Veg Consumer
Age	15–75	15–75	15–75	4–6	15–75	15–75
Average bodyweight (kg)	75.1	83.5	68.2	21.8	84.4	69
Number	1599	721	878	106	118	258
Overall % ADI (HI)	15,88	13,29	17,89	43,62	21,92	26,36
Crop specific % ADI (HI)						
Apples	2.807	2.408	3.142	7.515	5.902	5.453
Carrot	2.091	1.465	2.603	6.214	2.343	4.367
Wheat	2064	2083	2046	5751	2047	1954
Dried corn	1.308	0.854	1.681	10.613	0.511	2.155
Pear	0.790	0.548	0.991	1.831	1.519	2.002
Wine	0.671	0.672	0.672	0.000	0.783	0.667
Tomato	0.578	0.526	0.628	1.083	0.825	0.843
Lettuce	0.538	0.444	0.613	0.395	0.661	0.750
Orange	0.444	0.375	0.501	1.113	0.697	0.701
Barley (as beer)	0.392	0.401	0.370	0	0.397	0.366
Onion	0.390	0.408	0.377	0.549	0.481	0.460
Rye	0.355	0.403	0.315	1.098	0.448	0.355
Table Grape	0.352	0.203	0.476	0.757	0.548	0.816
Potato	0.331	0.315	0.231	0.480	0.320	0.220
Peach + Nectarine	0.301	0.218	0.370	0.843	0.588	0.639
Courgette/Squash	0.293	0.273	0.310	0.071	0.883	0.572
Pineapple	0.269	0.139	0.377	0.427	0.301	0.663
Cucumber	0.215	0.157	0.262	1.305	0.313	0.393
Rice	0.200	0.202	0.198	0.394	0.270	0.226
Strawberry	0.186	0.104	0.252	0.360	0.250	0.522
Sugar	0.178	0.184	0.170	0.548	0.182	0.168
Peppers	0.148	0.110	0.178	0.369	0.181	0.283
Mandarin + Clementine	0.097	0.062	0.125	0.130	0.167	0.240
Banana	0.091	0.069	0.108	0.254	0.138	0.177
Pasta	0.083	0.087	0.079	0.312	0.113	0.077
Broccoli	0.083	0.065	0.098	0.112	0.175	0.168
Brussel sprouts	0.082	0.065	0.095	0.111	0.173	0.166
Leek	0.073	0.063	0.082	0.087	0.084	0.115
Oats	0.067	0.075	0.060	0.209	0.084	0.064
Peas without pods	0.059	0.052	0.065	0.067	0.091	0.094
Head Cabbage	0.055	0.050	0.060	0.065	0.059	0.090
Beans	0.039	0.034	0.043	0.068	0.061	0.067
Plum	0.028	0.017	0.036	0.059	0.054	0.060
Avocado	0.026	0.012	0.037	0.014	0.030	0.055
Tea	0.024	0.015	0.032	0.003	0.026	0.037
Melon	0.024	0.011	0.035	0.136	0.029	0.074
Cauliflower	0.021	0.019	0.023	0.017	0.033	0.034
Grapefruit	0.021	0.014	0.028	0.029	0.037	0.053
Spinach	0.019	0.018	0.020	0.038	0.013	0.030
Raspberry + Blackberry	0.018	0.009	0.025	0.035	0.021	0.054
Kiwi	0.015	0.004	0.023	0.044	0.010	0.047
Gherkin	0.013	0.015	0.011	0.018	0.015	0.011
Mushroom	0.008	0.008	0.008	0.009	0.010	0.011
Aubergine	0.008	0.007	0.008	0.002	0.020	0.015
Celeriac	0.007	0.006	0.007	0.017	0.007	0.009
Raisin	0.006	0.003	0.007	0.026	0.007	0.012
Watermelon	0.005	0.002	0.007	0.028	0.006	0.015

^a The consumption of beer was estimated from statistics published by Denmark Statistics (www.dst.dk) and Brewers Union (www.bryggerforeningen.dk).

^b The consumption of sugar was estimated from the results of "kostundersøgelsen 2011–2013, published by Danish Technical University (DTU).

4.3. Method 2, refining the method with regard to < LOQ (left censored) data

As shown in previous studies, different assumptions regarding the level of residues of < LOQ measurements have a tremendous influence on the risk level predicted. As an example, Jensen et al. (2015) reported a 10 fold difference in end hazard index depending on if the < LOQ is assumed to be zero, or to be at ½ LOQ level. Our strategy dealing with this issue was to assume LOQ level for all non-detects, but to limit the number of such LOQ level assumptions by incorporating the knowledge about the worst case number of pesticides that could be expected in each sample, based on how many pesticides typically are used in a crop. Thereby the rest of the non-detects could be set to zero in the

calculation of averages.

The strength of this approach was that no optimistic assumptions were made. Instead a parameter that is relatively easily obtained was incorporated, that allowed a valid and realistic refinement. The information about the number of active substances used was collected in a survey sent out to crop managers within Bayer Crop Science (BCS). The crop manager in BCS is responsible for marketing strategy in a certain crop in a certain country or group of countries. The role requires full insight into the cultivation practices for the allocated crop(s), in particular the full spraying program of pesticides. As such, the crop manager is a good source of information, since he or she has an up to date overview of the current practices, and has a specific focus on pesticide applications, more so than other types of agricultural advisors.

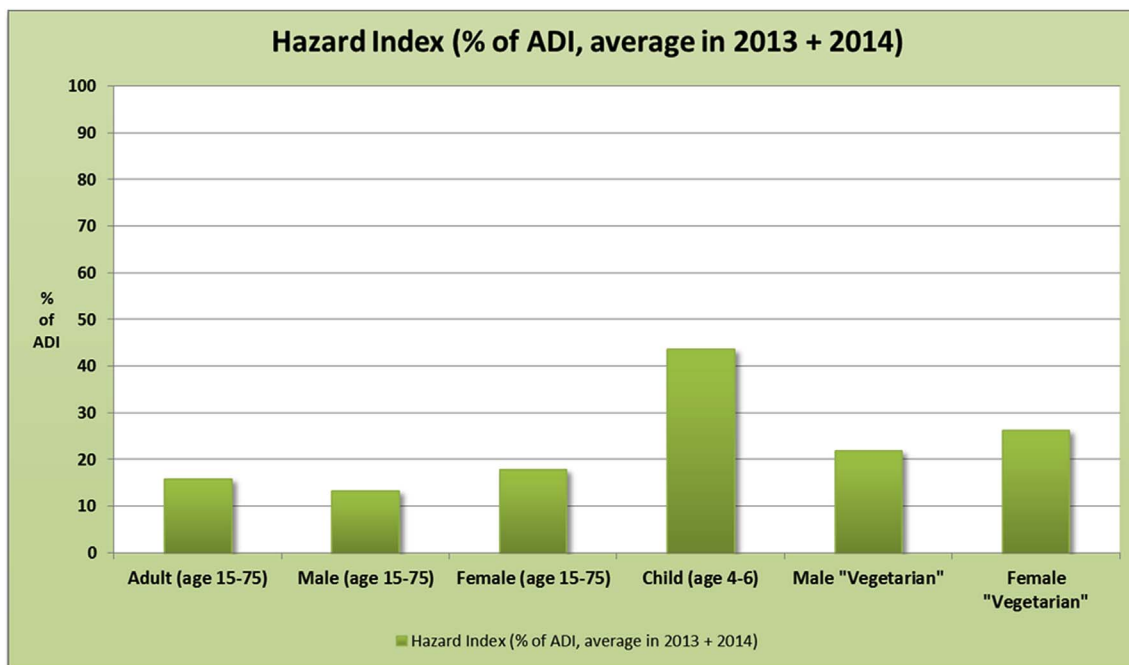


Fig. 1. The Hazard Index (HI, expressed as cumulative % of the Acceptable Daily Intake, ADI) of pesticide residues in the top 47 most consumed commodities in Denmark. Data shown are average % ADI for the years 2013 and 2014. Residue levels estimated by: 1) spraying journal data combined with supervised residue trial data (foods produced in Denmark), 2) residue monitoring data refined with data on number of applied active ingredients in the major exporting countries (imported foods). Consumption data originated from the Danish National Dietary Survey 2003–2008 (Pedersen et al., 2010).¹

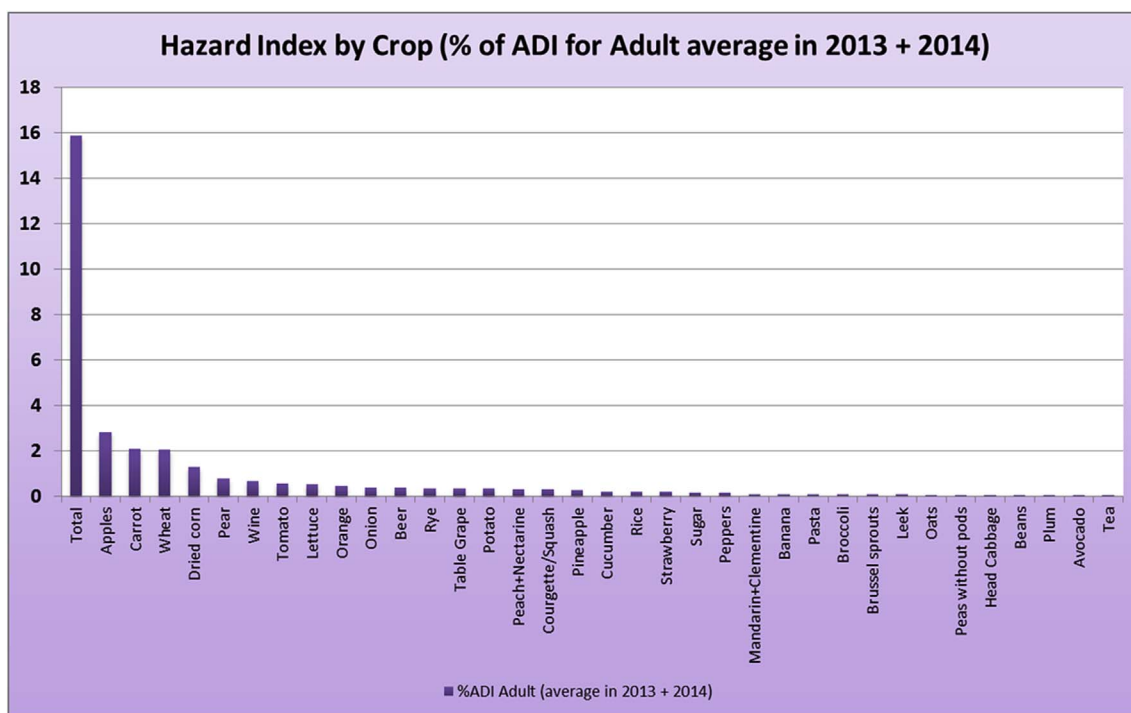


Fig. 2. The cumulative % of the acceptable daily intake (ADI) of pesticide residues by crop for Danish adults. Calculated using the hazard index (HI) method, based on dose addition. Mean values from the years 2013 and 2014. Residue levels estimated by: 1) spraying journal data combined with supervised residue trial data (foods produced in Denmark), 2) residue monitoring data refined with data on number of applied active ingredients in the major exporting countries (imported foods). Consumption data originated from the Danish National Dietary Survey 2003–2008 (Pedersen et al., 2010).¹

The crop managers were asked to provide the total number of pesticides applied, also including the pesticides that are not likely to generate residues, e.g. early season herbicides. Hence, the number provided is a worst case estimate. Naturally, there was some risk of error in collecting data in a survey. But in absence of spraying journal data, we believe

that the crop manager survey gave realistic estimates of how many pesticides are typically applied in crops in the major exporting countries.

We do not believe that collecting data from more companies would have given a significantly different result. It is common that market

Table 5

The top 25 pesticides, in terms of cumulative % of the acceptable daily intake (ADI), calculated using the hazard index (HI) method. Data shown are average % ADI for the years 2013 and 2014. Residue levels estimated by: 1) spraying journal data combined with supervised residue trial data (foods produced in Denmark), 2) residue monitoring data refined with data on number of applied active ingredients in the major exporting countries (imported foods).

	Adult	Male	Female	Child	Male High Fruit & Veg Consumer	Female High Fruit & Veg Consumer
Age	15–75	15–75	15–75	4–6	15–75	15–75
Average bodyweight (kg)	75.1	83.5	68.2	21.8	84.4	69
Number	1599	721	878	106	118	258
aldrin + dieldrin	2.04	1.49	2.49	5.31	2.80	4.22
dithiocarbamates	1.96	1.59	2.27	5.08	3.54	3.78
chlorpyrifos + chlorpyrifos methyl	1.44	1.25	1.60	3.75	2.24	2.35
dichlorvos	1.37	0.89	1.76	10.68	0.60	2.33
dithianon	1.06	0.88	1.21	2.52	2.10	2.13
pirimiphos-methyl	0.88	0.89	0.87	2.47	0.93	0.86
cypermethrin (sum)	0.45	0.40	0.49	0.66	0.59	0.62
chlormequat	0.33	0.35	0.32	0.95	0.36	0.32
boscalid	0.32	0.27	0.36	0.57	0.46	0.54
imazalil	0.31	0.24	0.36	0.76	0.51	0.58
diquat	0.29	0.30	0.28	0.56	0.37	0.35
glyphosate	0.27	0.28	0.26	0.22	0.28	0.26
captan	0.25	0.21	0.29	0.64	0.51	0.53
deltamethrin	0.24	0.25	0.23	0.72	0.27	0.25
lambda cyhalotrin	0.22	0.19	0.24	0.41	0.31	0.37
maleic hydrazide	0.19	0.20	0.19	0.27	0.24	0.23
epoxiconazole	0.13	0.14	0.13	0.35	0.14	0.13
indoxacarb	0.12	0.10	0.14	0.22	0.21	0.22
iprodion	0.10	0.07	0.13	0.26	0.18	0.22
chlorpropam	0.077	0.090	0.066	0.137	0.091	0.063
tebuconazole	0.069	0.059	0.077	0.173	0.103	0.111
pirimicarb	0.066	0.055	0.076	0.114	0.116	0.120
tau-fluvalinate	0.046	0.046	0.047	0.106	0.052	0.050
prothioconazole	0.024	0.024	0.023	0.046	0.024	0.023
permethrin	0.013	0.013	0.013	0.038	0.014	0.014
SUM top 25	12.3	10.3	13.9	37.0	17.0	20.7
% of total HI	77,3	77,3	77,9	84,8	77,7	78,4

intelligence information is collected and bought by all pesticide suppliers, originating in some cases from a single data supply company. So conducting a survey in another company would have given the same result.

Naturally, the database would have been more comprehensive had

data been collected from every country supplying a certain commodity for export. However, due to the conservative approach for data collection, and due to the fact that the data was only used for estimating number of expected below LOQ residues in imported commodities, we do not believe that a larger database for this parameter would have had

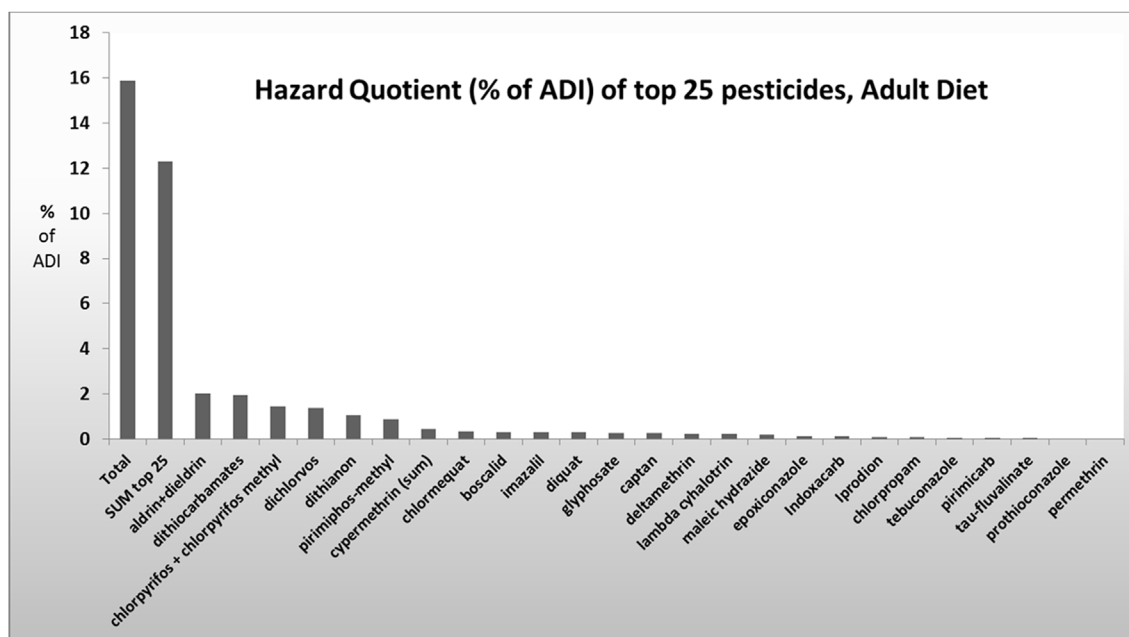


Fig. 3. The cumulative % of the acceptable daily intake (ADI) of the top 25 pesticides. Calculated using the hazard index (HI) method for an adult diet. Average values from the years 2013 and 2014. Residue levels estimated by: 1) spraying journal data combined with supervised residue trial data (foods produced in Denmark), 2) residue monitoring data refined with data on number of applied active ingredients in the major exporting countries (imported foods).

Table 6

Proportion of HI resulting from six presumed illegal uses in imported commodities. These six detections were all above twice the MRL level and concerned pesticides not approved in EU.

Crop	Pesticide	Year	Country of origin	> MRL X2	EU Approved	Adult % ADI	Male % ADI	Female % ADI	Child % ADI	Male HFV % ADI	Female HFV % ADI
Carrots	aldrin + dieldrin	2014	Albania	Yes	No	3.1	2.2	3.9	9.2	3.5	6.5
Strawberries	dichlorvos	2014	Belgium	Yes	No	0.12	0.069	0.17	0.24	0.17	0.35
Pepper	procymidon	2014	Hungary	Yes	No	0.006	0.005	0.007	0.015	0.007	0.012
Tea	oxadixyl	2014	Germany	Yes	No	0.002	0.001	0.003	0.000	0.002	0.003
Dried corn	dichlorvos	2014	Argentina	Yes	No	2.5	1.7	3.3	20.6	0.99	4.2
Strawberries	dinocap	2013	Spain	Yes	No	0.006	0.003	0.008	0.011	0.008	0.016
Sum of % ADI, average over 2 years (2013 + 2014)						2.9	1.9	3.6	15.0	2.3	5.5
% of total HI						18.1	14.7	20.4	34.3	10.6	20.9

^a The HI's for the six findings are presented for the single year 2013 or 2014 when the detection occurred. The average over 2 years may be lower (as with the case of dichlorvos in dried corn) than the single year value, since there was no detection the other year.

a significant influence on the overall result.

A limitation with the distribution approach was that it could not be known if the < LOQ residues were distributed to the right pesticides. But based on simple logic, we believe that our assumption that the more residues detected above LOQ for a pesticide, the more residues could also be expected to be present below the LOQ. The potential error introduced by this approach would have an equal risk of over- or underestimating the average residue for any given pesticide. Due to the high number of average residue calculations, it is likely that this error is evened out in the overall result.

Since for all pesticides applied to the crops but with residues below LOQ these residues were assumed to be at the LOQ-level, our model most likely overestimated the real average residue levels.

4.4. MRL exceedances

As shown in Table 6, a small number of single MRL exceedance detections made up a significant proportion of the overall HI (34% of the total HI in children). We know that foods containing pesticide residues above the MRL may be taken off the market, as was the case with the Argentinian dried corn containing dichlorvos. However we were not able to establish with certainty if this always happens before it reaches the consumer level. Since we anyhow included all the MRL exceedances

in our calculations, the HI values for pesticides estimated in this paper may be substantially overestimated.

4.5. Discussion on the cumulative risk assessment

The highest HI calculated for the complete pesticide usage analyzed in this study was for the population group Child aged 4–6. The HI for this group was 44% of ADI. The previous study by Jensen et al. also reported a HI of 44% for child, as their most realistic estimate (Jensen et al., 2015). See comparison in Table 7:

The risk assessments in both the present study, and the one reported by Jensen et al. (2015), were conservative (cautious) for several reasons. Firstly, the ADI values represent an exposure level that is considered safe from a regulatory perspective throughout the whole lifetime of a person. As such, the ADI value already has substantial safety margins built into it. The ADI value is normally derived by taking the lowest NOAEL from the whole registration toxicology study package for the pesticide active ingredient, and dividing it by a safety factor of at least 100. That means the ADI is always at least 100 times lower than a level tested in animal studies, at which no adverse effects occurs. Secondly, ADI values for pesticides are based on the most sensitive toxicological endpoint. While the target organs/systems for pesticides differ, the dose addition model we used assumes that all pesticides have

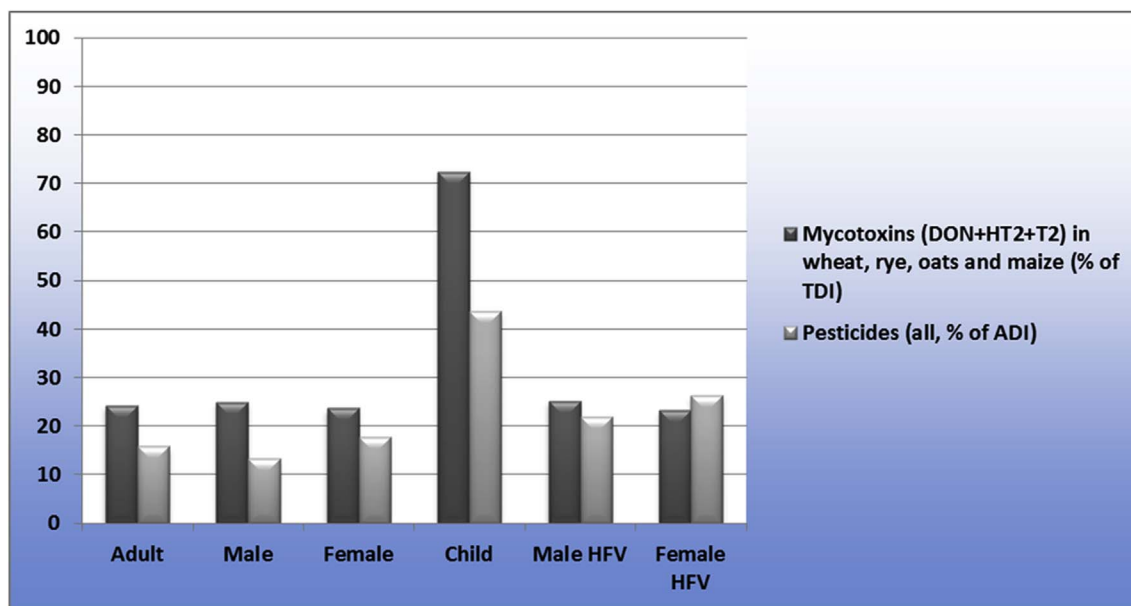


Fig. 4. The hazard index (HI), calculated as % of TDI (Tolerable Daily Intake) for mycotoxins and % of ADI (Acceptable Daily Intake) for pesticides, in six Danish population groups. The TDI:s and ADI:s are comparable in this case, as similar safety factors are used to derive both. The mycotoxins considered were deoxynivalenol (DON) and HT2+T2. Exposure of mycotoxins was calculated from Danish monitoring data in wheat, rye, oats and maize for the 2014 harvest (FVST, 2015). Average exposure levels of mycotoxins calculated assuming that non-detects were at LOQ level. TDI value for DON obtained (Pieters et al., 2002), and for HT2+T2 (Knutsen et al., 2017). HFV = High Fruit & Vegetable consumer.

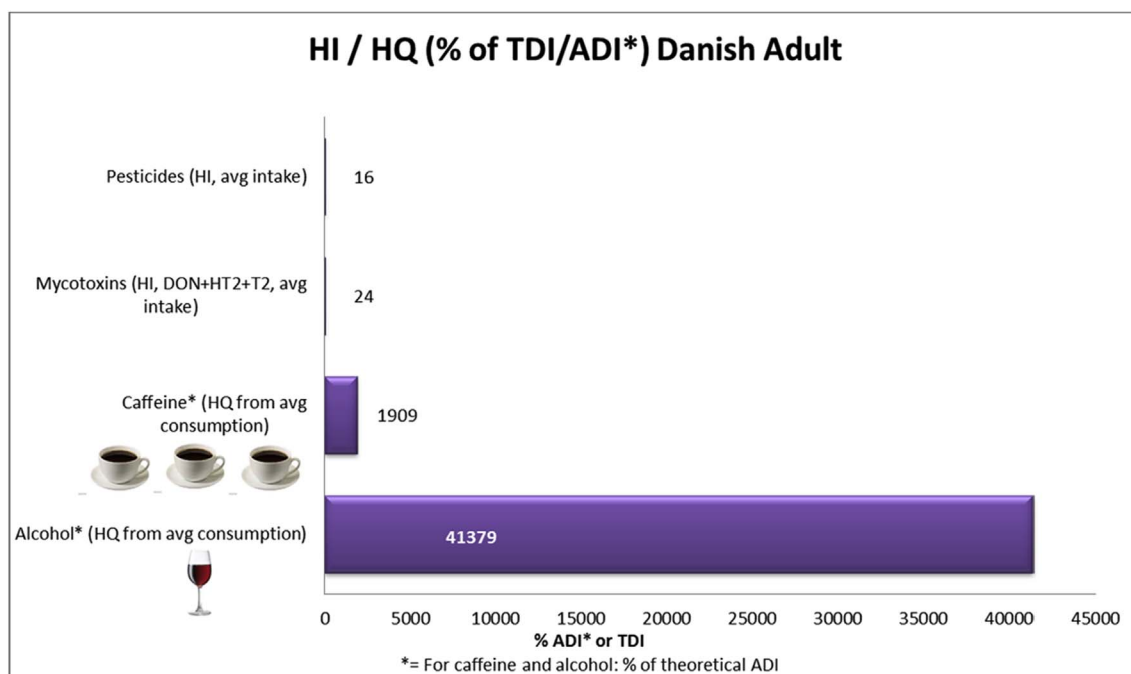


Fig. 5. Comparison of present study result of total HI of 16% of ADI for pesticide residues for an adult Dane, with corresponding % TDI for Mycotoxins (DON + HT2 + T2 in wheat, oat and maize), and hazard quotients (HQ) of caffeine (average intake) and alcohol (average intake), calculated as % of theoretical ADI. The HQ of caffeine for a Danish adult was 1909% of theoretical ADI, based on average caffeine consumption of 319 mg/day, roughly 3 cups of coffee per day (Panel, 2015) and a caffeine mice reproductive NOAEL of 22 mg/kg bw/day (UNEP, 2002), giving a theoretical ADI of 0.22 with a safety factor of 100. The HQ of alcohol in the Danish population is around 41.379% of theoretical ADI, for a 75 kg adult person. This was based on an average alcohol consumption of 10 L pure alcohol/person/year, which equals roughly one glass of wine per day, and a Derived No Effect Level of 87 mg/kg bw/day for oral hazard, general population (ECHA, 2011), giving a theoretical ADI of 0.87 with a safety factor of 100.

Table 7

Comparison of the present study with the results of Jensen et al. (2015). The hazard index (HI) method without grouping of pesticides into CAG:s (cumulative assessment groups) were used in both studies. The consumption data used were the same in both studies (Pedersen et al., 2010). The study periods, data sources and calculation models were different (see table for details).

Group:	Jensen et al., 2015,			Present study
	Model 1 ^a	Model 2 ^b	Model 3 ^c	
Study period:	2004–2011			2013–2014
Data source:	Danish monitoring data			Data sources:
	< LOQ = 0	< LOQ = ½ LOQ	< LOQ = ½ LOQ Limited corr.	Spraying journal + EU supervised residue trial data, Danish & EU monitoring data
Adult % ADI	4	42	18	16
Child % ADI	10	108	44	44

^a Model 1 assumption: all non-detects = 0.

^b Model 2 assumption: all non-detects = ½ LOQ.

^c Model 3 assumption: all non-detects = ½ LOQ, but correction limited to a factor 25. Model 3 was the most realistic model according to authors.

their most sensitive effect on the same target, which is in reality not the case. EFSA has recognized this and for that reason decided that dose addition across all pesticides is not the appropriate way to do a cumulative risk assessment for pesticides. Instead, the pesticides should be grouped in so called Common Assessment Groups (CAGs) based on their common target organ/system. This work is ongoing in EFSA but to date the complete set of CAGs have not been published, although some of the preparatory work of RIVM, IPSC and ANSES for nervous system, liver, adrenal, eye, reproduction and development and thyroid system was recently published (Wolterink et al., 2016). And since it could be shown that there is no risk to the Danish population without common

assessment groups, from a risk assessment perspective it was not necessary to take it further to another tier level.

The present study, as all other studies, had limitations and uncertainties. The significant ones have been discussed above. However, with regard to drawing conclusions from the present study, it should be borne in mind that the methodology applied was based on the concept normally applied in the context of risk assessment, i.e. whenever there was an uncertainty, the error was made on the conservative (cautious) side. In the present case, a number of assumptions were introduced that were very likely to overestimate the risk. The most striking example was that of MRL exceedances, which made up 1/3 of the total HI in children. It may have been that these commodities did not even reach the consumer level, but still they were included in the risk assessment. Another example is the inclusion of pesticides, both with method 1 and 2, we systematically included all pesticides that were used while cultivating the crop, even though for certain, a substantial proportion of the used pesticides will not generate any residues in the consumed crop, since they were used even before the crop has emerged from the soil, as is commonly done with herbicides. This was expected to apply for as many as 1/3 or more of the included pesticides. As an example, many of the glyphosate uses will fall in this category. The introduced over-estimations meant that we could not claim or conclude we have identified the true risk level. However, it can be concluded with high certainty that the risk level was not higher than reported.

The risk level posed by pesticide residues to populations are continuously monitored by food safety authorities. The Danish (FVST) and EU (EFSA) in recent years concluded the risk level is low (EFSA, 2015; EFSA, 2016; EFSA, 2017; Fødevareinstituttet, 2016; Fødevarestyrelsen, 2014; Fødevarestyrelsen, 2015). The publications by Jensen et al. on cumulative exposures all point at low risk levels, both for chronic and acute scenarios (Jensen et al., 2003; Jensen et al. 2009; Jensen et al. 2013; Jensen et al. 2015). For the Danish population, all available scientific data supports the conclusion that adverse health effects of pesticide residues are very unlikely. Evidence contradicting this

conclusion is lacking. The present study should be seen as the most refined estimate concerning the cumulative exposure risk for chronic health effects. We have not studied acute effects. However, our results support the conclusion that pesticides are very unlikely to pose a risk to the health of Danish consumers through dietary exposure of residues.

With regard to the comparisons of pesticide HI with HI/HQ of mycotoxins, caffeine and alcohol, it should be borne in mind that this was just a comparison of magnitudes of HIs/HQs resulting when applying identical calculation methods for all compounds. As such, it is an interesting perspective of magnitudes. But in a public health context, No Effect Levels from rodent studies are not used to derive recommendations regarding intakes levels of caffeine or alcohol and disease risk. At the time of writing (2017), the Danish health authorities state that an alcohol intake of 7/14 units per week for woman/man is associated with a low risk for disease.

4.6. Conclusions

Two novel methods were combined to estimate a realistic worst case hazard index for pesticide residues in the Danish population. The methods were able to refine previous estimates especially with regard to below LOQ (left censored) data.

The highest Hazard Index (HI) calculated for the complete pesticide usage analyzed in this study was for the population group Child aged 4–6. Our estimated HI for this group was 44% of ADI. Due to the many conservative (cautious) assumptions made, the real life figure was probably much lower. This finding adds to the existing body of evidence showing that pesticides are very unlikely to pose a risk to the health of Danish consumers through chronic dietary exposure of

residues.

The hazard index for pesticides for a Danish adult was on level with the hazard quotient for alcohol for a person consuming the equivalent of 1 glass of wine every seventh year.

4.7. Perspectives

Further work should include use of CAGs cumulative assessment groups, when available. Other chemical groups may be taken into account in to address dietary cumulative risks in a broader way. The present study results on exposure levels could be considered for *in vivo* testing of real-life chemical mixtures, in projects such as that proposed by Tsatsakis et al. (Tsatsakis et al., 2016; Tsatsakis et al., 2017).

Conflict of interest and disclosure

Dr Frank Laporte declares: I am a member of the Residue Expert Group (ResEG) of the European Crop Protection Association (ECPA). The other authors have no conflicts of interest to disclose.

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Appendix 1. Number of active substances typically applied to major crops in major exporting countries. Data collected from crop managers within the Bayer Crop Science global organization during 2016. The crop manager in BCS is responsible for marketing strategy in a certain crop in a certain country or group of countries. The role requires full insight into the cultivation practices for the allocated crop(s), in particular the full spraying program of pesticides. As such, the crop manager is a good source of information, since he or she has an up to date overview of the current practices, and has a specific focus on pesticide applications, more so than other types of agricultural advisors

Crop	Estimated number of active substances applied							Mean
	Spain	France	Italy	Germany	Netherlands	Sweden	USA	
Apples		15–35	20					20
Pears					10–12			11
Table Grapes	10–12		15–18					14
Wine Grapes			12–15	15				13.5
Orange	5–7							6
Mandarin/ Clementine	6–9							7.5
Peach/ Nectarine	8–15		10					11
Peppers	8–11				7–12			9
Cucumber					9–15			12
Plum	5–7							6
Melon	6–10							8
Carrot			5–6	8–9				7
Raspberry/ Blackberry				14–15	8–10			13
Grapefruit							12–14	13
Strawberry	8–10			5				8
Beans				7–9	4–6			7
Lettuce	4–8			8–10				7
Tomato	8–12				7–12			10
Aubergine					9–15			12
Spinach			5–6	5–8				6
Wheat				14–18		8–13		13

	9–13	7–10	9
Rye			10 ^a
Rice			10 ^a
Banana			10 ^a
Kiwi			10 ^a
Tea			10 ^a

^a Default value of 10 was used in case no data was retrieved. This is considered acceptable since residue monitoring data from all EU show that 99,6% of all samples contain less than 10 detectable residues (93,5% of samples contain less than 5 detectable residues). Source: The 2013 European Union report on pesticide residues in food, EFSA Journal 2015; 13(3):4038.

Appendix 2. Results

Appendix 2.1. Results obtained with method 1 (spraying journal data combined with EU residue trials data for the year 2013, crops grown in Denmark)

Crop + Indication	Product Trade name	Active Substance	Area Of Use (Hectares)	Area Factor	cGAP Dose L/Ha	DK Max Dose L/Ha	Used Dose L/Ha	Dose factor	STMR mg/ kg	MRL mg/ kg	Fraction Danish grown	Residue Estimate mg/kg	
Potato Seed	Monceren FS 250	Pencycuron	2.412	0,07	0,7	1,5	1,0	1,4	0,01	0,1	1	0,00098	
	Treatmnt 12,5	Monceren DS	2.096	0,06	0,7	4	22,5	32,2	0,01	0,1	1	0,01904	
	Prestige FS 370	Pencycuron	5.816	0,16	0,7	1,2	0,8	1,2	0,01	0,1	1	0,00190	
	Prestige FS 370	Imidacloprid	5.816	0,16	1,5	1,2	0,8	0,6	0,035	0,5	1	0,00318	
Potato Fungicide	Revus	Mandipropanil	16.686	0,47	3,6	3,6	1,1	0,3	0,01	0,01	1	0,00141	
	Amistar	Azoxystrobin	12.101	0,34	1,5	1	0,4	0,4	0,005	1	1	0,00074	
	Ranman	Cyazofamid	22.524	0,64	2,0	0,6	0,5	0,3	0,005	0,01	1	0,00080	
	Dithane NT	Mancozeb	15.098	0,43	17,0	16	7,1	0,4	0,05	0,3	1	0,00893	
	Tridex DG	Mancozeb	8.495	0,24	17,0	20	7,9	0,5	0,05	0,3	1	0,00559	
	Ridomil Gold MZ Pepite	Metalaxyl-M	9.360	0,26	12,9		1,4	0,1	0,02	0,02	1	0,00058	
	Ridomil Gold MZ Pepite	Mancozeb	9.360	0,26	20		1,4	0,07	0,05	0,3	1	0,00561	
	Proxanil	Cymoxanil	2.560	0,07	15,6	15	1,5	0,1	0,01	0,05	1	0,00007	
	Proxanil	Propamocarb HCL	2.560	0,07	10,1	15	1,5	0,1	0,01	0,3	1	0,00011	
	Signum WG	Boscalid	3.082	0,09	4,0	1	0,2	0,1	0,05	2	1	0,00026	
	Signum WG	Pyraclostrobin	3.082	0,09	7,8	1	0,2	0,0	0,02	0,02	1	0,00005	
	Curzate M68 Wg	Cymoxanil	2.648	0,07	17,3	7,2	2,3	0,1	0,01	0,05	1	0,00010	
Curzate M68 Wg	Mancozeb	2.648	0,07	18,8	7,2	2,3	0,1	0,05	0,3	1	0,00045		
Potato Herbicide	Rizolex 10D	Tolclofos-Methyl	1.837	0,05		3,5	1,6	0,5	0,02	0,2	1	0,00048	
	Reglone	Diquat	14.055	0,40	10,0	5	1,7	0,2	0,02	0,05	1	0,00136	
	Fenix	Aclonifen	18.585	0,52	4,0	2,5	0,8	0,2	0,02	0,1	1	0,00216	
	Titus WSB	Rimsulfuron	20.701	0,58	0,2	0,3	0,0	0,1	0,01	0,05	1	0,00086	
	Glyfonova 360 SL	Glyphosate	4.845	0,14	12,0	4	1,5	0,1	0,025	0,05	1	0,00042	
	Boxer	Prosulfocarb	3.456	0,10	5,0	5	1,0	0,2	0,005	0,01	1	0,00010	
	Roundup Bio	Glyphosate	4.052	0,11	12,0	4	1,3	0,1	0,025	0,05	1	0,00032	
	Glyfonova 450 Plus	Glyphosate	2.620	0,07	4,3	4	1,7	0,4	0,025	0,05	1	0,00074	
	Command CS	Clomazone	1.012	0,03	0,3	0,25	0,1	0,4	0,005	0,01	1	0,00005	
	Potato Insecticide	Karate 2,5 WG	Lambda-cyhalotrin	7.863	0,22	1,5	1	0,3	0,2	0,01	0,02	1	0,00039
		Mospilan SG	Acetamiprid	6.514	0,18	0,5	0,5	0,2	0,5	0,005	0,01	1	0,00045
		Cyperb 100	Cypermethrin	1.205	0,03		0,25	0,1	0,6		0,05	1	0,00000
Glyphogan		Glyphosate	2.082	0,06	12,0		1,4	0,1	0,025	0,05	1	0,00017	
Glyfosate 360		Glyphosate	1.595	0,05	12,0		1,7	0,1	0,025	0,05	1	0,00016	
Mirador 250 SC		Azoxystrobin	1.535	0,04	1,5	1	0,4	0,4	0,005	1	1	0,00009	
Metaxon	MCPA	1.270	0,04		0,1	0,1	0,8		0,05	1	0,00144		
Rizolex 50 FW	Tolclofos-Methyl	1.213	0,03		1,05	0,5	0,5	0,02	0,2	1	0,00033		
Wheat Herbicide	Boxer	Prosulfocarb	331.247	0,58	5,0	5	1,1	0,2	0,005	0,01	0,44	0,00062	
	DFF	Diffenican	310.120	0,54	0,5	0,12	0,0	0,1	0,01	0,02	0,44	0,00044	
	Oxitril CM	Ioxynil	214.633	0,38	2,3	0,2	0,1	0,1	0,02	0,05	0,44	0,00045	
	Oxitril CM	Bromoxynil	214.633	0,38	2,0	0,2	0,1	0,1	0,025	0,05	0,44	0,00064	
	Starane XL	Fluroxypyr	220.975	0,39	4,0	1,2	0,3	0,1	0,05	0,1	0,44	0,00163	
	Starane XL	Florasulam	220.975	0,39	3,0	1,2	0,3	0,1	0,005	0,01	0,44	0,00022	
	Stomp Pentagon	Pendimethalin	113.672	0,20	3,0	1,45	0,6	0,2	0,025	0,05	0,44	0,00096	
	Broadway	Florasulam	79.191	0,14	0,3	0,22	0,1	0,3	0,005	0,01	0,44	0,00022	

	Broadway	Pyroxsulam	79.191	0,14	0,3	0,22	0,1	0,4	0,005	0,01	0,44	0,00027
	Hussar OD	Iodosulfuron	203.010	0,36	0,1	0,1	0,0	0,3	0,005	0,01	0,44	0,00057
	Glyfonova 450 Plus	Glyphosate	83.933	0,15	4,3	5,6	1,2	0,3	0,885	20	0,44	0,03727
	Atlantis OD	Iodosulfuron	156.695	0,27	5,0	0,9	0,3	0,1	0,005	0,01	0,44	0,00007
	Atlantis OD	Mesosulfuron	156.695	0,27	2,0	0,9	0,3	0,1	0,005	0,01	0,44	0,00017
	Glyfonova 360 SL	Glyphosate	82.505	0,14	12,0	7	1,6	0,1	0,885	20	0,44	0,01673
	Briotril 400 EC	Bromoxynil	77.111	0,14	1,7	0,2	0,2	0,1	0,025	0,05	0,44	0,00032
	Briotril 400 EC	Ioxynil	77.111	1,00	2,8	0,2	0,2	0,1	0,02	0,05	0,44	0,00114
	Monitor	Sulfosulfuron	50.397	0,09	0,0	0,018	0,0	0,2	0,005	0,01	0,44	0,00011
	Lexus 50 WG	flupyrsulfuron-methyl-Na	54.976	0,10	0,0	0,02	0,0	0,6	0,02	0,02	0,44	0,00108
	Stomp	Pendimethalin	53.841	0,09	2,1	1,2	0,5	0,3	0,050	0,05	0,44	0,00123
	Mustang forte	Florasulam	44.682	0,08	1,5	1	0,3	0,2	0,005	0,01	0,44	0,00008
	Mustang forte	2,4D	44.682	0,08	6,9	1	0,3	0,0	0,025	0,05	0,44	0,00009
	Mustang forte	Aminopyralid	44.682	0,08		1	0,3	0,3		0,1	0,44	0,00242
	Legacy 500 SC	Diflufenican	35.819	0,06	0,5	0,24	0,0	0,1	0,01	0,02	0,44	0,00005
	Express ST	Tribenuron-methyl	62.225	0,11	0,1	0,015	0,4	7,5	0,005	0,01	0,44	0,00407
	Ally ST	Metsulfuron-methyl	48.856	0,09	0,0	0,012	0,3	18,7	0,005	0,01	0,44	0,00802
	Lodin	Fluroxypyr	42.062	0,07	2,2	?	0,2	0,1	0,05	0,1	0,44	0,00037
	Tomahawk 180 EC	Fluroxypyr	37.922	0,07	2,2	0,8	0,2	0,1	0,05	0,1	0,44	0,00037
	Glyfosat 360	Glyphosate	33.845	0,06	12,0		1,6	0,1	0,885	20	0,44	0,00711
	Accurat 20 WG	Metsulfuron-methyl	32.938	0,06	0,0		0,0	0,4	0,005	0,01	0,44	0,00011
	Metaxon	MCPA	32.556	0,06		1	0,5	0,5	?	0,05	0,44	0,00129
	NF-M 750	MCPA	32.177	0,06		1	0,4	0,4	?	0,05	0,44	0,00122
	Nuance WG	Tribenuron-methyl	29.573	0,05	0,0		0,0	0,1	0,005	0,01	0,44	0,00003
	Nicanor 20 SG	Metsulfuron-methyl	29.404	0,05	0,0		0,0	0,3	0,005	0,01	0,44	0,00007
Wheat	Proline EC 250	Prothioconazole	307.275	0,54	2,4	1,6	0,3	0,1	0,02	0,1	0,44	0,00113
Fungicide	Bell	Epoxiconazole	332.411	0,58	3,7	1,5	0,4	0,1	0,035	0,6	0,44	0,00245
	Bell	Boscalid	332.411	0,58	3,0	1,5	0,4	0,1	0,12	0,5	0,44	0,01034
	Rubric	Epoxiconazole	212.648	0,37	2,0	1	0,3	0,1	0,035	0,6	0,44	0,00192
	Comet	Pyraclostrobin	253.681	0,44	2,0	2	0,1	0,1	0,02	0,2	0,44	0,00058
	Ceando	Epoxiconazole	140.522	0,25	3,0	1,5	0,2	0,1	0,035	0,6	0,44	0,00067
	Ceando	Metrafenon	228.756	0,40	3,0	1,5	0,3	0,1	0,01	0,5	0,44	0,00034
	Viverda	Epoxiconazole	101.736	0,18	5,0	2,5	0,5	0,1	0,035	0,6	0,44	0,00066
	Viverda	Pyraclostrobin	101.736	0,18	8,3	2,5	0,8	0,1	0,02	0,2	0,44	0,00033
	Viverda	Boscalid	101.736	0,18	5,0	2,5	0,8	0,2	0,12	0,5	0,44	0,00327
	Flexity	Metrafenon	106.361	0,19	1,0	0,5	0,1	0,1	0,01	0,5	0,44	0,00019
	Bumber 25 EC	Propiconazole	75.843	0,13	1,0	1	0,1	0,1	0,06	0,05	0,44	0,00114
	Folicur EC 250	Tebuconazole	54.742	0,10	2,0	2	0,1	0,1	0,05	0,1	0,44	0,00035
	Opus	Epoxiconazole	39.839	0,07	2,0	1	0,2	0,1	0,035	0,6	0,44	0,00025
	Prosaro 250 EC	Prothioconazole	43.584	0,08	4,8	2	0,3	0,1	0,02	0,1	0,44	0,00010
	Prosaro 250 EC	Tebuconazole	55.994	0,10	4,0	2	0,3	0,1	0,05	0,1	0,44	0,00037
	Tern	Fenpropidin	61.438	0,11	2,0	0,8	0,1	0,1	0,04	0,5	0,44	0,00029
	Zenit 575 EC	Propiconazole	32.445	0,06	2,0	2	0,3	0,1	0,06	0,04	0,44	0,00043
	Zenit 575 EC	Fenpropidin	32.445	0,06	3,3	2	0,3	0,1	0,04	0,5	0,44	0,00017
Wheat	Mavrik 2F	Tau-fluvalinate	208.565	0,37	0,6	0,4	0,1	0,1	0,04	0,05	0,44	0,00159
Insecticide	Cyperb 100	Cypermethrin	112.194	0,20		0,25	0,1	0,5	0,036	2	0,44	0,00369
	Fastac 50	Alpha-Cypermethrin	91.149	0,16	0,4	0,3	0,1	0,3	0,01	2	0,44	0,00053
	Pirimor G	Pirimicarb	31.775	0,06	0,5	0,2	0,1	0,1	0,01	0,05	0,44	0,00006
Wheat	Cycocel 750	Chloromequat	130.722	0,23	1,0	1,5	0,7	0,7	0,37	2	0,44	0,05791
Growth Regulator												
Wheat Mixed Indication	Trece 750	Chloromequat	27.950	0,05	1,0		0,6	0,6	0,37	2	0,44	0,01035
	Tilt 250 EC	Propiconazole	27.379	0,05	1,0		0,1	0,1	0,06	0,05	0,44	0,00042
	Glyphogan	Glyphosate	27.115	0,05	12,0		1,5	0,1	0,885	20	0,44	0,00520
	Primera Super	fenoxaprop-P-ethyl	26.912	0,05	2,6	1	0,2	0,1	0,005	0,02	0,44	0,00002
	Broadway (Floramix Alpha)	Florasulam	26.468	0,05	0,3		0,1	0,3	0,01	0,01	0,44	0,00015
	Broadway (Floramix Alpha)	Pyroxsulam	26.468	0,05	0,3		0,1	0,4	0,01	0,01	0,44	0,00018
	SweDane MCPA 750	MCPA	26.468	0,05		1	0,5	0,5	0,025	0,05	0,44	0,00055
	Moddus M	Trinhexapac-ethyl	26.306	0,05	0,8		0,1	0,2	0,09	0,5	0,44	0,00071
	Sempre	Diflufenican	24.945	0,04	0,5		0,0	0,1	0,01	0,02	0,44	0,00003

	Roxy EC	prosulfocarb	24.230	0,04	5,0	4	1,0	0,2	0,01	0,05	0,44	0,00008
	Karate 2,5 WG	Lambda-cyhalotrin	23.545	0,04	1,2		0,1	0,1	0,01	0,05	0,44	0,00004
	Starane 180S	fluroxyppyr	19.235	0,03	2,2		0,2	0,1	0,05	0,1	0,44	0,00017
	Flight Xtra	picolinafen	19.003	0,03	6,3	1	0,6	0,1	0,025	0,05	0,44	0,00008
	Flight Xtra	pendimethalin	19.003	0,03	6,3	1	0,6	0,1	0,025	0,05	0,44	0,00008
	Roundup Bio	Glyphosate	18.822	0,03	12,0		1,5	0,1	0,885	20	0,44	0,00356
	Foxtrot	fenoxaprop-P-ethyl	18.794	0,03	2,6		0,2	0,1	0,01	0,02	0,44	0,00002
	Orius 200 EW	Tebuconazole	18.262	0,03	3,1		0,2	0,0	0,05	0,1	0,44	0,00008
	MCPA 750	MCPA	17.781	0,03		1	0,4	0,4	0,025	0,05	0,44	0,00033
	Topik	clodinafop-propargyl	16.955	0,03	0,6		0,1	0,1	0,02	0,1	0,44	0,00008
	Ricorso (MiniMet)	metsulfuron-methyl	16.814	0,03	0,0		0,0	0,2	0,01	0,05	0,44	0,00005
Wheat		deltamethrin									0,44	0,019 (EU avg 2013)
Post Harvest												
Rye	Boxer	Prosulfocarb	38.019	0,43	5,0	5	1,1	0,2	0,005	0,01	0,51	0,00049
Herbicide	DFF	Di flufenican	35.895	0,41	0,4	0,12	0,0	0,1	0,01	0,02	0,51	0,00045
	Oxtril CM	Ioxynil	23.322	0,26	2,0	0,2	0,2	0,1	0,02	0,05	0,51	0,00041
	Oxtril CM	Bromoxynil	23.322	0,26	2,0	0,2	0,2	0,1	0,025	0,05	0,51	0,00051
	Starane XL	Fluroxyppyr	19.099	0,22	4,0	1,2	0,4	0,1	0,05	0,1	0,51	0,00104
	Starane XL	Florasulam	19.099	0,22	3,0	1,2	0,4	0,1	0,005	0,01	0,51	0,00014
	Stomp Pentagon	Pendimethalin	10.914	0,12	3,0	1,45	0,7	0,2	0,025	0,05	0,51	0,00068
	Briotril 400 EC	Ioxynil	10.433	0,12	2,5	0,2	0,2	0,1	0,02	0,05	0,51	0,00018
	Briotril 400 EC	Bromoxynil	10.433	0,12	1,7	0,2	0,2	0,1	0,025	0,05	0,51	0,00034
	Legacy 500 SC	Di flufenican	4.055	0,05	0,4	0,24	0,0	0,1	0,01	0,02	0,51	0,00005
	Stomp	Pendimethalin	6.135	0,07	2,1	1	0,7	0,3	0,025	0,05	0,51	0,00058
	Hussar OD	Iodosulfuron	13.496	0,15	0,1	0,1	0,0	0,3	0,005	0,01	0,51	0,00023
	Broadway	Florasulam	4.281	0,05	0,3	0,22	0,1	0,3	0,005	0,01	0,51	0,00008
	Broadway	Pyroxsulam	4.281	0,05	0,3	0,22	0,1	0,4	0,005	0,01	0,51	0,00009
	Glyfonova 450 Plus	Glyphosate	4.691	0,05	9,6	5,6	1,5	0,2	0,885	20	0,51	0,00718
	Mustang forte	Florasulam	4.343	0,05	1,5	1	0,4	0,2	0,01	0,01	0,51	0,00012
	Mustang forte	2,4D	5.621	0,06	6,9	1	0,3	0,1	0,025	0,05	0,51	0,00008
	Mustang forte	Aminopyralid	5.621	0,06		1	0,3	0,3		0,1	0,51	0,00221
	Glyfonova 360 SL	Glyphosate	4.930	0,06	12,0	7	1,5	0,1	0,885	20	0,51	0,00614
	Accurate 20 WG	Metsulfuron-Methyl	4.564	0,05	0,0	0,03	0,0	0,2	0,01	0,05	0,51	0,00011
	Atlantis OD	Iodosulfuron	11.527	0,13	5,0	0,9	0,3	0,1	0,005	0,01	0,51	0,00004
	Atlantis OD	Mesosulfuron	11.527	0,13	2,0	0,9	0,3	0,1	0,005	0,01	0,51	0,00009
	Nicanor 20 SG	Metsulfuron-Methyl	4.748	0,05	0,0	0,03	0,0	0,2	0,01	0,05	0,51	0,00010
	Express ST	Tribenuron-methyl	5.733	0,07	0,1	0,015	0,7	11,0	0,005	0,01	0,51	0,00356
	Ally ST	Metsulfuron-methyl	5.608	0,06	0,0	0,012	0,5	29,0	0,01	0,05	0,51	0,01843
Rye	Cycocel 750	Chlormequat	10.573	0,12	2,6	1,5	1,0	0,4	0,59	3	0,51	0,02768
Growth	Moddus M	Trinhexapac-ethyl	3.609	0,04	0,6	0,6	0,2	0,4	0,09	0,5	0,51	0,00150
Regulator	Cerone	ethephon	3.871	0,04	1,5	1	0,3	0,2	0,025	0,5	0,51	0,00025
Rye	Folicur EC 250	Tebuconazole	23.135	0,26	2,0	1	0,3	0,1	0,03	0,1	0,51	0,00108
Fungicides	Proline EC 250	Prothioconazole	10.092	0,11	2,4	1,6	0,2	0,1	0,02	0,1	0,51	0,00016
	Rubric	Epoxiconazole	11.853	0,13	2,0	1	0,2	0,1	0,035	0,6	0,51	0,00053
	Prosaro 250 EC	Prothioconazole	6.546	0,07	2,0		0,3	0,1	0,02	0,1	0,51	0,00021
	Prosaro 250 EC	Tebuconazole	6.546	0,07	4,0		0,3	0,1	0,05	0,1	0,51	0,00026
	Comet	Pyraclostrobin	8.938	0,10	2,0		0,1	0,1	0,02	0,2	0,51	0,00011
	Orius 200 EW	Tebuconazole	5.445	0,06	2,5		0,3	0,1	0,03	0,1	0,51	0,00021
	Ceando	Epoxiconazole	6.941	0,08	3,0		0,2	0,1	0,035	0,6	0,51	0,00019
	Ceando	Metrafenon	6.941	0,08	3,0		0,2	0,1	0,01	0,5	0,51	0,00005
	Bell	Epoxiconazole	6.779	0,08	3,7		0,3	0,1	0,035	0,6	0,51	0,00020
	Bell	Boscalid	6.779	0,08	3,0	2,62	0,3	0,1	0,12	0,5	0,51	0,00085
Rye	Cyperb 100	Cypermethrin	11.129	0,13		0,25	0,1	0,6	0,036	2	0,51	0,14659
Insecticide	Fastac 50	Alpha-Cypermethrin	8.364	0,09	0,4	0,3	0,1	0,4	0,01	2	0,51	0,00035
	Karate 2,5 WG	Lambda-cyhalotrin	2.116	0,02	1,2		0,2	0,1	0,005	0,01	0,51	0,00002
Rye	Glyphogan	Glyphosate	2.071	0,02	12,0		1,8	0,1	0,885	20	0,51	0,00307
Mixed	Ricorso	metsulfuron-methyl	2.058	0,02	0,0		0,1	2,3	0,01	0,05	0,51	0,00054
Indication	(MiniMet)											
Rye		deltamethrin									0,51	0,021 (EU avg 2013)
Post Harvest												
Apples & Pears	Mospilan SG	Acetamiprid	730	0,39	0,8	0,5	0,2	0,2	0,03	0,8	0,48	0,00139
Insecticide	Teppeki	Fonicamid	349	0,19	0,4	0,42	0,1	0,3	0,06	0,3	0,48	0,00174
	Steward	Indoxacarb	586	0,31	1,0	1	0,2	0,2	0,1	0,4	0,48	0,00278

	Pirimor G	Pirimicarb	461	0,25	1,5	0,2	0,2	0,1	0,286	2	0,48	0,00347
	Madex	Cydia pomonella granulosis virus (CpGV)	340	0,18		0,5	0,1	0,2	N.A	N.A	0,48	N.A
	Movento SC 100	Spirotetramat	119	0,06	4,3	4,5	1,3	0,3	0,1	1	0,48	0,00094
	Karate 2,5 WG	Lambda-cyhalotrin	222	0,12	1,2	0,8	0,3	0,2	0,02	0,08	0,48	0,00026
	Isomate CLR		118	0,06				884,1	N.A	N.A	0,48	N.A
Apples & Pears	Delan WG	Dithianon	1.055	0,57	9,0		3,4	0,4	0,62	3	0,48	0,06296
Fungicide	Merpan 80 WG	Captan	1.143	0,61	18,0		5,5	0,3	2,05	3	0,48	0,18355
	Scala	Pyrimethanil	859	0,46	7,5		1,6	0,2	0,77	15	0,48	0,03590
	Candit	Kresoxim-Methyl	604	0,32	1,1		0,5	0,5	0,07	0,2	0,48	0,00550
	Dithane NT	Mancozeb* no STMR instead highest finding in DK monitoring: 0,29 mg/kg	519	0,28	6,0		3,2	0,5	0,29	5	0,48	0,02071
	Signum WG	Boscalid	397	0,21	3,0	3	0,8	0,3	0,36	2	0,48	0,01010
	Signum WG	Pyraclostrobin	397	0,21	7,2		0,8	0,1	0,1	0,5	0,48	0,00118
	Kumulus S	Sulphur	156	0,08			13,5			N.A	0,48	N.A.
Apples & Pears	Roundup Bio	Glyphosate	297	0,16	12,0		3,8	0,3	0,025	0,05	0,48	0,00061
Herbicide	Glyfonova 450 Plus	Glyphosate	279	0,15	9,6		4,0	0,4	0,025	0,05	0,48	0,00075
	SweDane MCPA 750	MCPA	298	0,16		1	1,5	1,5	?	0,05	0,48	0,00580
	Metaxon	MCPA	196	0,11		1	0,9	0,9	?	0,05	0,48	0,00216
	Glyfosate 360	Glyphosate	134	0,07	12,0		4,9	0,4	0,025	0,05	0,48	0,00035
	Glyfonova 360 SL	Glyphosate	104	0,06	12,0	6	2,6	0,2	0,025	0,05	0,48	0,00014
Apples & Pears	Reglone	Diquat	87	0,05	2,0	2,5	1,5	0,7		0,05	0,48	0,00084
Mixed	Cyperb 100	Cypermethrin	87	0,05			0,5	1,0	0,205		0,48	0,00458
Indication	NF-M 750	MCPA	72	0,04		1	0,9	0,9		0,05	0,48	0,00083
	MCPA 750	MCPA	66	0,04		1	1,0	1,0		0,05	0,48	0,00084
	Glyphogan	Glyphosate	64	0,03	12,0		4,8	0,4	0,025	0,05	0,48	0,00016
	* Pheromone traps used in Apples & Pears where not included since they are not sprayed on the crop.											
Carrots	Fenix	Aclonifen	1.272	0,66	2,5	?	0,6	0,3	0,005	0,1	0,69	0,00058
Herbicide	Command CS	Clomazon	745	0,39	0,3		0,1	0,3	0,005	0,01	0,69	0,00040
	Stomp	Pendimethalin	780	0,40	5,0		0,8	0,2	0,05	0,7	0,69	0,00222
	DFF	Diflufenican	647	0,33		0,25	0,1	0,3		0,05	0,69	0,00338
	Aramo	tepraloxydim	995	0,51	2,0		0,4	0,2	0,13	0,4	0,69	0,00972
	Boxer	Prosulfocarb	584	0,30	5,0		0,3	0,1	0,19	1	0,69	0,00208
	Glyfonova 450 Plus	Glyphosate	108	0,06	9,6		1,6	0,2	0,025	0,05	0,69	0,00016
	Glyfonova 360 SL	Glyphosate	276	0,14	12,0		4,6	0,4	0,025	0,05	0,69	0,00094
	Reglone	Diquat	154	0,08	2,0	2	0,7	0,3		0,05	0,69	0,00096
	Roundup Bio	Glyphosate	345	0,18	12,0		0,3	0,0	0,025	0,05	0,69	0,00008
	Fusilade Max	Fluazifop-P-butyl	271	0,14		3	0,4	0,1	0,03	0,5	0,69	0,00037
Carrots	Amistar	Azoxystrobin	758	0,39	4,0		0,4	0,1	0,05	1	0,69	0,00120
Fungicide	Signum WG	Boscalid	493	0,25	2,0	2	0,9	0,4	0,09	2	0,69	0,00691
	Signum WG	Pyraclostrobin	493	0,25	2,0		0,9	0,4	0,03	0,5	0,69	0,00230
	Ortiva Top	Difenoconazole	316	0,16	3,0		0,9	0,3	0,05	0,2	0,69	0,00168
	Ortiva Top	Azoxystrobin	316	0,16	5,0		0,9	0,2	0,05	1	0,69	0,00101
Carrots	Karate 2,5 WG	Lambda-cyhalotrin	831	0,43	0,8		0,3	0,4	0,01	0,02	0,69	0,00124
Insecticide	Pirimor G	Pirimicarb	271	0,14	1,5	0,3	0,0	0,0	0,01	0,5	0,69	0,00003
	Cyperb 100	Cypermethrin	659	0,34		0,3	0,1	0,5		0,05	0,69	0,00552
Onions	Totril	ioxynil	1.130	1,02	7,1		1,3	0,2	0,02	0,2	1	0,00380
	Stomp	pendimethalin	1.109	1,00	5,0		1,7	0,3	0,025	0,05	1	0,00869
	Signum WG	boscalid	1.100	0,99	4,5	4,5	1,5	0,3	0,05	5	1	0,01614
	Signum WG	Pyraclostrobin	1.100	0,99	3,0		1,5	0,5	0,02	0,2	1	0,00969
	Dithane NT	mancozeb	1.050	0,94	12,3		5,1	0,4	0,17	1	1	0,06615
	Aramo	tepraloxydim	1.042	0,94	2,0		1,3	0,7	0,1		1	0,06253
	Fenix	aclonifen	1.105	0,99	4,0	?	0,8	0,2	0,02	0,05	1	0,00414
	Shirlan	fluazinam	963	0,87	6,4		1,1	0,2	0,005	0,01	1	0,00074
	Acrobat New	dimethomorph	428	0,38	9,0		4,5	0,5	0,2	0,6	1	0,03836
	Acrobat New	mancozeb	974	0,88	13,9		4,6	0,3	0,17		1	0,04900
	Boxer	prosulfocarb	850	0,76	5,0		1,4	0,3	0,01	0,03	1	0,00210
	Amistar	Azoxystrobin	832	0,75	4,0		0,6	0,2	0,005	0,01	1	0,00057
	Antergon MH	maleinhydrazid	824	0,74	4,0		2,4	0,6	7,5		1	3,31829
	Reglone	diquat	846	0,76	4,0	2	0,5	0,1		0,05	1	0,00456
	Karate 2,5 WG	Lambda-cyhalotrin	862	0,77	0,6		0,4	0,6	0,01	0,06	1	0,00458
		Glyphosate	72	0,07	9,6		0,8	0,1	0,025	0,05	1	0,00014

	Glyfonova 450 Plus											
	Roundup Bio	Glyphosate	378	0,34	12,0		0,4	0,0	0,025	0,05	1	0,00027
	Glyfonova 360 SL	Glyphosate	109	0,10	12,0		1,2	0,1	0,025	0,05	1	0,00024
	LFS Glyphosat 360	Glyphosate	80	0,07	12,0		0,8	0,1	0,025	0,05	1	0,00012
	Glyfonova Plus	Glyphosate	133	0,12	12,0		0,6	0,0	0,025	0,05	1	0,00014
	ND Mastana SC	mancozeb	57	0,05	12,0		3,0		0,17		1	0,00218
	Mirador 250 SC	Azoxystrobin	110	0,10	4,0	2	0,2	0,0	0,005	0,01	1	0,00002
	Glyphogan	Glyphosate	65	0,06	12,0		1,3	0,1	0,025	0,05	1	0,00015
Tomato (see 2014 data)												
Appendix 2.2												
Cucumber (see 2014 data)												
Appendix 2.2												
Lettuce	Revus	mandipropamid	1.046	0,99	1,2		0,2	0,1	5,65	25	0,36	0,29780
	Cyperb 100	Cypermethrin	991	0,94		0,25	0,2	0,9	0,066		0,36	0,01928
	Aliette 80 WG	Fosetyl	428	0,40	12,0		1,1	0,1	2,3	75	0,36	0,02931
	Fastac 50	Alpha-Cypermethrin	1.021	0,96		0,4	0,2	0,4		2	0,36	0,30731
	Signum WG	boscalid	813	0,77	3,0	3	0,5	0,2	3,2	30	0,36	0,13841
	Signum WG	Pyraclostrobin	813	0,77	3,3		0,5	0,1	0,13	2	0,36	0,00511
	Amistar	Azoxystrobin	1.059	1,00	4,0		0,4	0,1	0,36	15	0,36	0,01302
	Mospilan SG	Acetamiprid	156	0,15	0,5	0,5	0,1	0,2	0,49	5	0,36	0,00400
	Movento SC 100	Spirotetramat	696	0,66	2,2	0,9	0,1	0,1	0,198		0,36	0,00653
	Roundup Bio	Glyphosate	283	0,27	12,0		2,0	0,2	0,025	0,05	0,36	0,00040
	Previcur Energy	Propamocarb HCl	682	0,64	5,2		0,2	0,0	6,65	50	0,36	0,06905
	Previcur Energy	Fosetyl	682	0,64	31,0		0,2	0,0	2,3	75	0,36	0,00397
	Scala	Pyrimethanil	527	0,50	4,0		0,1	0,0	3,66	20	0,36	0,00964
	Pirimor G	pirimicarb	776	0,73	0,8	0,3	0,1	0,2	2324	5	0,36	0,11671
	Steward	Indoxacarb	527	0,50	0,2		0,0	0,3	0,27	2	0,36	0,01344
	Contans WG	Coniothyrium minitans	527	0,50			0,0		N.A.	N.A.	0,36	N.A.
	Trinol	Iron(III) phosphate	527	0,50			0,4		N.A.	N.A.	0,36	N.A.
	Sneglemiddel											
	Ferramol	Iron(III) phosphate	527	0,50			0,5		N.A.	N.A.	0,36	N.A.
	Sluxx	Iron(III) phosphate	527	0,50			0,9		N.A.	N.A.	0,36	N.A.
	Proplant	Propamocarb	527	0,50	5,6	3	1,5	0,3	6,65	50	0,36	0,32168
	Prestop	Gliocladium Catenulatum	527	0,50			0,0				0,36	0,00000
	Glyfonova 450 Plus	Glyphosate	156	0,15	9,6		0,8	0,1	0,025	0,05	0,36	0,00011
	Previcur N	Propamocarb	14	0,01	4,3		0,7	0,2	6,65	50	0,36	0,00523
Peas	Fighter 480	Bentazone	2.312	0,82	2,5		0,8	0,3	0,06	0,5	1	0,01518
With pods	Stomp	pendimethalin	2.720	0,96	5,0		1,1	0,2	0,05	0,2	1	0,01011
	Pirimor G	pirimicarb	2.245	0,79	0,8	0,25	0,1	0,2	0,238	1	1	0,02890
	Karate 2,5 WG	Lambda-cyhalotrin	974	0,34	0,6		0,2	0,3	0,01	0,2	1	0,00103
	Amistar	Azoxystrobin	1.138	0,40	2,0		0,4	0,2	0,12	3	1	0,00874
	Mavrik 2F	Tau-fluvalinate	1.228	0,43	0,6		0,1	0,2	0,13		1	0,01273
	Cyperb 100	Cypermethrin	942	0,33		0,25	0,2	0,6	0,04	0,7	1	0,00818
	Stomp CS	pendimethalin	843	0,30	4,4		0,9	0,2	0,05	0,2	1	0,00309
	Glyfonova 450 Plus	Glyphosate	972	0,34	9,6	3,2	2,3	0,2	not found	0,1	1	0,00809
	Basagran M 75	Bentazone	1.188	0,42	4,9		1,1	0,2	0,06	0,5	1	0,00583
	Basagran M 76	MCPA	811	0,29		1,5	1,2	0,8	not found	0,1	1	0,02217
	Fenix	aclonifen	704	0,25	4,0	1	0,7	0,2	not found	0,1	1	0,00424
	Fastac 50	Alpha-Cypermethrin	1.053	0,37	0,3		0,2	0,8	0,02	0,1	1	0,00616
	Signum WG	boscalid	931	0,33	3,0	3,75	0,5	0,2	not found	0,1	1	0,00533
	Signum WG	Pyraclostrobin	605	0,21	2,1		0,5	0,2	not found	0,1	1	0,00511
	Agil 100 EC	propaquizafop	457	0,16	?	0,93	0,5	0,5	not found	0,1	1	0,00868
	Command CS	clomazone	697	0,25	0,3		0,2	0,5	0,005	0,01	1	0,00058
	Bentazone 480	Bentazone	743	0,26	2,5		0,8	0,3	0,06	0,5	1	0,00510
	Glyfonova 360 SL	Glyphosate	509	0,18	12,0	4	2,9	0,2	not found	0,1	1	0,00437

	Mirador 250 SC	Azoxystrobin	562	0,20	2,0		0,4	0,2	0,12	3	1	0,00464
	Roundup Bio	Glyphosate	224	0,08	12,0	4	2,7	0,2	not found	0,1	1	0,00179
	Glyphogan	Glyphosate	189	0,07	12,0	4	3,2	0,3	not found	0,1	1	0,00177
	Focus Ultra	cycloxydim	268	0,09		5	0,9	0,2		15	1	0,24298
	Troy 480	Bentazone	205	0,07	2,5		0,9	0,4	0,06	0,5	1	0,00157
	Glyphosate 360	Glyphosate	154	0,05	12,0		2,7	0,2	not found	0,1	1	0,00123
Peas without pods	Fighter 480	Bentazone	2.312	0,82	2,5		0,8	0,3	0,03	0,2	0,62	0,00470
	Stomp	pendimethalin	2.720	0,96	5,0		1,1	0,2	0,05	0,2	0,62	0,00627
	Pirimor G	pirimicarb	2.245	0,79	0,8	0,25	0,1	0,2	0,14	1	0,62	0,01054
	Karate 2,5 WG	Lambda-cyhalotrin	974	0,34	0,6		0,2	0,3	0,01	0,2	0,62	0,00064
	Amistar	Azoxystrobin	1.138	0,40	2,0		0,4	0,2	0,06	3	0,62	0,00271
	Mavrik 2F	Tau-fluvalinate	1.228	0,43	0,6		0,1	0,2	0,13		0,62	0,00789
	Cyperb 100	Cypermethrin	942	0,33		0,25	0,2	0,6	0,22	0,7	0,62	0,02788
	Stomp CS	pendimethalin	843	0,30	4,4		0,9	0,2	0,05	0,2	0,62	0,00192
	Glyfonova 450 Plus	Glyphosate	972	0,34	9,6	3,2	2,3	0,2	not found	0,1	0,62	0,00502
	Basagran M 75	Bentazone	1.188	0,42	4,9		1,1	0,2	0,03	0,2	0,62	0,00181
	Basagran M 76	MCPA	811	0,29		1,5	1,2	0,8		0,1	0,62	0,01374
	Fenix	aclonifen	704	0,25	4,0	1	0,7	0,2	0,01	0,05	0,62	0,00026
	Fastac 50	Alpha-Cypermethrin	1.053	0,37	0,3		0,2	0,8	0,01	0,05	0,62	0,00191
	Signum WG	boscalid	931	0,33	3,0	3,75	0,5	0,2	0,05	3	0,62	0,00165
	Signum WG	Pyraclostrobin	605	0,21	2,1		0,5	0,2	0,02	0,02	0,62	0,00063
	Agil 100 EC	propaquizafop	457	0,16	?	0,93	0,5	0,5	?	0,2	0,62	0,01076
	Command CS	clomazone	697	0,25	0,3		0,2	0,5	0,005	0,01	0,62	0,00036
	Bentazone 480	Bentazone	743	0,26	2,5		0,8	0,3	0,03	0,2	0,62	0,00158
	Glyfonova 360 SL	Glyphosate	509	0,18	12,0	4	2,9	0,2	not found	0,1	0,62	0,00271
	Mirador 250 SC	Azoxystrobin	562	0,20	2,0		0,4	0,2	0,06	3	0,62	0,00144
	Roundup Bio	Glyphosate	224	0,08	12,0	4	2,7	0,2	not found	0,1	0,62	0,00111
	Glyphogan	Glyphosate	189	0,07	12,0	4	3,2	0,3	not found	0,1	0,62	0,00110
	Focus Ultra	cycloxydim	268	0,09		5	0,9	0,2	7,89	15	0,62	0,07924
	Troy 480	Bentazone	205	0,07	2,5		0,9	0,4	0,03	0,2	0,62	0,00049
	Glyphosate 360	Glyphosate	154	0,05	12,0		2,7	0,2	not found	0,1	0,62	0,00076
Leek	Totril	ioxynil	266	0,84	7,1		1,3	0,2	0,87	3	0,31	0,04221
	Aramo	tepraloxymid	246	0,78	2,0		1,2	0,6	0,1	0,3	0,31	0,01418
	Amistar	Azoxystrobin	242	0,77	4,0		1,1	0,3	0,08	0,08	0,31	0,00525
	Folicur EC 250	Tebuconazole	231	0,74	3,0		1,3	0,4	0,21	0,6	0,31	0,02096
	Karate 2,5 WG	Lambda-cyhalotrin	225	0,71	0,8		0,5	0,6	0,05	0,3	0,31	0,00701
	Signum WG	boscalid	212	0,67	4,5	4,5	0,9	0,2	0,93	5	0,31	0,03737
	Signum WG	Pyraclostrobin	212	0,67	4,5		0,9	0,2	0,22	0,5	0,31	0,00884
	Boxer	prosulcarb	178	0,57	5,0		1,7	0,3	0,005	0,01	0,31	0,00029
	Stomp	pendimethalin	128	0,41	5,0		1,0	0,2	0,025	0,05	0,31	0,00065
	Vertimec	abamectin	118	0,38	1,5		0,8	0,6	0,006	0,01	0,31	0,00039
	Stomp CS	pendimethalin	118	0,38	4,4		1,6	0,4	0,05	0,05	0,31	0,00211
	Ortiva Top	Difenoconazole	89	0,28		0,6	0,6	1,0	0,13	0,5	0,31	0,01176
	Ortiva Top	Azoxystrobin	89	0,28	5,0		0,6	0,1	0,08	0,08	0,31	0,00087
	Jablo Glyfosat	Glyphosate	29	0,09	12,0		0,5	0,0	0,025	0,05	0,31	0,00003
	Reglone	diquat	27	0,09	2,0	2	1,5	0,7		0,05	0,31	0,00097
Plum	Signum WG	boscalid	27	0,39	2,0	2,25	1,2	0,6	0,13	3	0,14	0,00420
	Signum WG	Pyraclostrobin	27	0,39	2,2	2,25	1,2	0,5	0,04	0,2	0,14	0,00115
	Delan 70 WG	dithianon	25	0,36		2	1,2	0,6		0,5	0,14	0,01551
	Karate 2,5 WG	Lambda-cyhalotrin	23	0,33	1,2	0,8	0,7	0,6	0,01	0,2	0,14	0,00195
	Cyperb 100	Cypermethrin	7	0,09			0,7	1	0,59		0,14	0,00776
	Glyfonova 450 Plus	Glyphosate	6	0,09	9,6		3,4	0,4	0,025	0,05	0,14	0,00011
	Dithane NT	Mancozeb	6	0,08	12,8		1,8	0,1	0,1		0,14	0,00015
	Metaxon	MCPA	5	0,07		1,0	1,0	1,0			0,14	0,00050
	Reglone	diquat dibromid	4	0,06	2,0	2,5	2,0	1,0		0,05	0,14	0,00040
	NF-M 750	MCPA	4	0,05		1,0	0,7	0,7		0,05	0,14	0,00026
	Roundup Bio	Glyphosate	4	0,05	12,0		3,4	0,3	0,025	0,05	0,14	0,00005

	Glyphogan	Glyphosate	3	0,04	12,0		5,5	0,5	0,025	0,05	0,14	0,00006
	Teldor WG 50	fenhexamid	2	0,03	4,5		1,5	0,3	0,34	1	0,14	0,00052
	Apollo 50 SC	clofentezin	2	0,02		0,4	0,4	1,1		0,2	0,14	0,00071
	Glyfonova 360 SL	Glyphosate	2	0,02	12,0		3,0	0,3	0,025	0,05	0,14	0,00002
	SweDane MCPA 750	MCPA	2	0,02		1	1,6	1,6		0,05	0,14	0,00023
	Glyfosate 360	Glyphosate	2	0,02	12,0		5,5	0,5	0,025	0,05	0,14	0,00003
	Roundup Ultra	Glyphosate	1	0,02	12,0		0,9	0,1	0,025	0,05	0,14	0,00000
Strawberry	Mospilan SG	Acetamiprid	1	0,01	0,5	0,5	0,2	0,4	0,01	0,02	0,14	0,00001
	Signum WG	boscalid	788	0,77	3,6	3,6	1,7	0,5	0,46	10	0,63	0,10294
	Signum WG	Pyraclostrobin	788	0,77	1,8	3,6	1,7	0,9	0,1	0,5	0,63	0,04501
	Teldor WG 50	fenhexamid	708	0,69	4,5	1,5	1,1	0,2	1,4	5	0,63	0,14377
	Boxer	prosulcarb	651	0,63	5,5	5	1,7	0,3		0,05	0,63	0,00623
	Stomp	pendimethalin	566	0,55	5,0		1,2	0,2	0,025	0,05	0,63	0,00212
	Candit	Kresoxim-Methyl	532	0,52	0,9	0,4	0,2	0,2	0,07	1	0,63	0,00382
	Amistar	Azoxystrobin	486	0,47	4,0	2	0,7	0,2	0,56	10	0,63	0,02828
	Betanal	phenmedipham	479	0,47	8,0	4	1,8	0,2	0,02	0,1	0,63	0,00130
	Karate 2,5 WG	Lambda-cyhalotrin	476	0,46	1,0	0,8	0,3	0,3	0,01	0,5	0,63	0,00085
	Kerb 400 SC	propyzamid	457	0,45	3,5		0,7	0,2	0,01	0,02	0,63	0,00057
	Frupica SC	mepanipirim	436	0,42	1,8	1,4	0,6	0,3	0,35	2	0,63	0,02920
	Switch 62,5 WG	cyprodinil	421	0,41	3,0	1	0,5	0,2	0,44	5	0,63	0,01964
	Switch 62,5 WG	fludioxonil	421	0,41	3,0	1	0,5	0,2	0,27	3	0,63	0,01222
	Biscaya OD 240	thiacloprid	386	0,38	1,0		0,2	0,2	0,07	1	0,63	0,00296
	Tilt 250 EC	Propiconazole	355	0,35	1,0	1	0,5	0,5		0,05	0,63	0,00493
	Scala	pyrimethanil	301	0,29	4,0	4	0,9	0,2	0,77	5	0,63	0,03165
	Fastac 50	Alpha-Cypermethrin	287	0,28	0,3		0,2	0,9	0,01	0,05	0,63	0,00150
	Aliette 80 WG	fosetyl-Al	230	0,22	15,0		1,0	0,1	9,65	60	0,63	0,09496
	Reglone	diquat dibromid	185	0,18	4,0	2,5	1,6	0,4	0,01	0,05	0,63	0,00047
Goltix SC 700	metamitron	184	0,18		2	0,3	0,2		0,1	0,63	0,00181	
Milbeknock	milbemectin	164	0,16	2,5	2,5	1,3	0,5	0,02	0,05	0,63	0,00103	
Ferramol	Iron(III) phosphate	144	0,14			4,9		N.A	N.A	0,63	N.A	
Danitron 5 SC	fenpyroximat	141	0,14	1,9	1,5	1,0	0,5	0,06	1	0,63	0,00261	
Goliath	metamitron	90	0,09		2	0,4	0,2		0,1	0,63	0,00113	
Floramite 240 SC	bifenazate	72	0,07	1,7	1,2	0,1	0,1		2	0,63	0,00458	
Nissorun 10 WP	hexythiazox	72	0,07		0,75	0,2	0,3	?	0,05	0,63	0,00071	
Vacciplant	laminarin	57	0,06			0,1		N.A	N.A	0,63	N.A	
Mirador 250 SC	Azoxystrobin	55	0,05	4,0		0,6	0,2	0,56	10	0,63	0,00296	
Matrigon 72 SG	clopyralid	51	0,05	0,0		0,0	0,8		0,5	0,63	0,01216	
Pirimor G	pirimicarb	47	0,05	1,5		0,1	0,0	0,253		0,63	0,00036	
Glyfonova 360 SL	Glyphosate	40	0,04	12,0		1,0	0,1		0,1	0,63	0,00020	
Celeriac	Fenix	aclonifen	69	0,62	2,5		0,4	0,2	0,01	0,1	1	0,00099
	Karate 2,5 WG	Lambda-cyhalotrin	69	0,61	0,6		0,3	0,5	0,03	0,1	1	0,00982
	Amistar	Azoxystrobin	67	0,60	2,0		1,5	0,7	0,08	1	1	0,03517
	Boxer	prosulcarb	12	0,11	5,0		0,7	0,1	0,03	0,08	1	0,00041
	Glyfonova 450 Plus	Glyphosate	9	0,08	9,6		2,0	0,2	0,025	0,05	1	0,00042
Broccoli	Cyperb 100	Cypermethrin	3	0,03		0,3	0,3	0,9		1	1	0,02335
	Mirador 250 SC	Azoxystrobin	3	0,02	2,0		1,0	0,5	0,08	1	1	0,00100
	Karate 2,5 WG	Lambda-cyhalotrin	251	1,37	1,6		0,5	0,3	0,02	0,1	0,37	0,00309
	Signum WG	boscalid	210	1,14	3,0	3	0,5	0,2	0,05	?	0,37	0,00318
	Signum WG	Pyraclostrobin	210	1,14	3,1		0,5	0,1	0,02	0,1	0,37	0,00122
	Steward	indoxacarb	208	1,14	0,3		0,1	0,4	0,07	0,3	0,37	0,01107
	Fastac 50	Alpha-Cypermethrin	208	1,14	0,3		0,2	0,6	0,016	0,5	0,37	0,00436
	Cyperb 100	Cypermethrin	185	1,01	?	0,3	0,3	0,8	0,02	1	0,37	0,00626
	Dithane NT	Mancozeb	181	0,99	11,2		2,7	0,2	0,25		0,37	0,02232
	Amistar	Azoxystrobin	170	0,93	4,0		0,4	0,1	0,03	5	0,37	0,00111
	Pirimor G	Pirimicarb	106	0,58	0,8	0,3	0,1	0,1	?	2	0,37	0,06162
	Movento SC 100	Spirotetramat	38	0,21	1,4		0,1	0,1	0,31	0,6	0,37	0,00165
	Ortiva Top	Difenoconazole	38	0,21	3,0	1	0,1	0,0	0,04	0,2	0,37	0,00015
	Ortiva Top	Azoxystrobin	38	0,21	5,0		0,1	0,0	0,03	5	0,37	0,00007
	Mirador 250 SC	Azoxystrobin	32	0,17	4,0		0,2	0,0	0,03	5	0,37	0,00008
Glyfonova 360 SL	Glyphosate	28	0,15	12,0		1,0	0,1	0,025	0,05	0,37	0,00011	
Cauliflower	Karate 2,5 WG	Lambda-cyhalotrin	297	1,00	1,6		0,6	0,4	0,02	0,2	0,38	0,00279

	Fastac 50	Alpha-Cypermethrin	170	0,57	0,3		0,3	1,1	0,01	0,5	0,38	0,00250
	Pirimor G	Pirimicarb	156	0,53	0,8	0,3	0,2	0,2		2	0,38	0,07907
	Steward	indoxacarb	102	0,34	0,3		0,0	0,2	0,07	0,3	0,38	0,00177
	Cyperb 100 EW	Cypermethrin	84	0,28		0,3	0,3	1,0	0,02	1	0,38	0,00214
	Cyperb 100	Cypermethrin	80	0,27		0,3	0,3	1,0	0,02	1	0,38	0,00205
	Ortiva Top	Difenoconazole	63	0,21		1	0,1	0,1	0,03	0,2	0,38	0,00025
	Ortiva Top	Azoxystrobin	63	0,21	4,0		0,1	0,0	0,03	5	0,38	0,00006
	Movento SC 100	Spirotetramat	60	0,20	1,4		0,1	0,0	0,31	0,6	0,38	0,00105
	Dithane NT	Mancozeb	60	0,20							0,38	0,00000
	SluXX	Iron(III) phosphate	44	0,15			2,6		N.A.	N.A.	0,38	N.A.
	Signum WG	boscalid	44	0,15	3,0	3	0,9	0,3	0,05		0,38	0,00087
	Signum WG	Pyraclostrobin	44	0,15	3,5		0,9	0,3	0,02	0,1	0,38	0,00030
	Glyfonova 450	Glyphosate	42	0,14	9,6		0,7	0,1	0,025	0,05	0,38	0,00010
	Plus											
	Matrignon 72 SG	clopyralid	5	0,02	0,2		0,1	0,7	0,29	0,5	0,38	0,00117
	Glyphogan	Glyphosate	1	0,00	12,0		4,0	0,3	0,025	0,05	0,38	0,00001
Head Cabbage	Karate 2,5 WG	Lambda-cyhalotrin	283	0,36	1,6		0,7	0,4	0,04	0,2	0,64	0,00384
	Signum WG	boscalid	274	0,35	3,0	3	5,4	1,8	0,05	5	0,64	0,01999
	Signum WG	Pyraclostrobin	274	0,35	3,1		5,4	1,7	0,02	0,2	0,64	0,00766
	Amistar	Azoxystrobin	233	0,29	4,0		1,4	0,4	0,01	5	0,64	0,00067
	Fastac 50	Alpha-Cypermethrin	211	0,27	0,3		1,6	6,2	0,01	0,5	0,64	0,01067
	Pirimor G	Pirimicarb	158	0,20	1,5		0,4	0,3	0,1	0,1	0,64	0,00350
	Cyperb 100	Cypermethrin	118	0,15		0,25	0,3	1,2	0,02		0,64	0,00228
	Cyperb 100 EW	Cypermethrin	115	0,15		0,25	0,2	0,8	0,02		0,64	0,00154
	Ortiva Top	Difenoconazole	93	0,12		1	1,5	1,5	0,02	0,2	0,64	0,00221
	Ortiva Top	Azoxystrobin	93	0,12	5,0		1,5	0,3	0,01	5	0,64	0,00022
	Steward	Indoxacarb	84	0,11	0,3		1,6	6,5	0,02	3	0,64	0,00884
	Roundup Bio	Glyphosate	64	0,08	12,0		0,6	0,0	0,025	0,05	0,64	0,00006
	Command CS	Clomazone	55	0,07	0,3		1,5	6,0	0,005	0,01	0,64	0,00134
	Movento SC 100	Spirotetramat	47	0,06	1,4		0,5	0,4	0,11	0,3	0,64	0,00151
	Mirador 250 SC	Azoxystrobin	20	0,02	4,0		0,6	0,2	0,01	5	0,64	0,00002
	Matrignon 72 SG	clopyralid	10	0,01	0,0		12,1	345,2	0,23	0,5	0,64	0,66448
Oats	Oxitril CM	ioxynil	12.112	0,23	2,3		0,2	0,1	0,02	0,05	1	0,00050
Herbicide	Oxitril CM	bromoxynil	12.112	0,23	2,0		0,2	0,1	0,025	0,05	1	0,00071
	Express ST	tribenuron-methyl	11.784	0,22	0,0		0,7	14,6	0,01	0,1	1	0,03223
	Starane XL	florasulam	10.384	0,19	3,0	1,2	0,3	0,1	0,005	0,01	1	0,00010
	Starane XL	fluroxypyr	10.384	0,19	4,0	1,2	0,3	0,1	0,05	0,1	1	0,00073
	Nuance WG	tribenuron-methyl	5.637	0,11	0,0		0,0	0,6	0,01	0,1	1	0,00062
	Briotril 400 EC	ioxynil	5.468	0,10	2,8	?	0,2	0,1	0,02	0,05	1	0,00015
	Briotril 400 EC	bromoxynil	5.468	0,10	1,7	?	0,2	0,1	0,025	0,05	1	0,00031
	Tomahawk	fluroxypyr	4.647	0,09	2,2	0,8	0,2	0,1	0,05	0,1	1	0,00042
	180 EC											
	Trimmer 50 SG	tribenuron-methyl	3.463	0,06	0,0	0,015	0,0	0,1	0,01	0,1	1	0,00009
	Express SX	tribenuron-methyl	3.341	0,06	0,0	0,015	0,0	0,2	0,01	0,1	1	0,00013
	Mustang forte	florasulam	3.162	0,06	1,5	0,3	0,4	0,2	0,005	0,01	1	0,00007
	Mustang forte	2,4D	3.162	0,06	5,6	0,3	0,4	0,1	0,025	0,05	1	0,00010
	Mustang forte	aminopyralid	3.162	0,06		0,3	0,4	1,2		0,1	1	0,00717
	Glyfonova 360	Glyphosate	2.771	0,05	12,0		1,9	0,2	5,85	30	1	0,04803
	SL											
Oats	Folicur EC 250	Tebuconazole	10.662	0,20	4,0	2	0,2	0,1	0,05	2	1	0,00054
Fungicides	Comet	Pyraclostrobin	4.194	0,08	2,0	2	0,1	0,1	0,07	0,3	1	0,00035
	Prosaro 250 EC	Tebuconazole	2.754	0,05	4,0	2	0,2	0,1	0,05	2	1	0,00015
	Prosaro 250 EC	Prothioconazole	2.754	0,05	3,2	2	0,2	0,1	0,02	0,05	1	0,00008
Oats Insecticides	Fastac 50	Alpha-Cypermethrin	5.645	0,11	0,4		0,1	0,4	0,02	2	1	0,00077
	Cyperb 100	Cypermethrin	4.954	0,09		0,25	0,2	0,6	0,036	2	1	0,00201
Oats	Cycocel 750	Chloromequat	3.222	0,06	2,6		1,0	0,4	3,1	9	1	0,06932
Growth												
Regulator												
Oats Mixed	Glyfonova 450	Glyphosate	2.652	0,05	9,6		1,4	0,1	5,85	30	1	0,04154
Indication	Plus											
	Rubric	Epoxiconazole	2.605	0,05	2,0		0,2	0,1	0,03	0,2	1	0,00015
	Zenit 575 EC	Propiconazole	2.535	0,05	2,0		0,2	0,1	0,09	0,2	1	0,00051
	Zenit 575 EC	Fenpropidin	2.535	0,05	5,0		0,2	0,0	0,08	0,5	1	0,00018
	Lodin	Fluroxypyr	2.245	0,04	2,2		0,2	0,1	0,05	0,1	1	0,00021
	Proline EC 250	Prothioconazole	2.202	0,04	1,6		0,2	0,1	0,02	0,02	1	0,00008
	Bell	Epoxiconazole	2.103	0,04	3,7		0,2	0,1	0,03	0,2	1	0,00008

	Bell	Boscalid	2.103	0,04	3,0		0,2	0,1	1,07	3	1	0,00343	
	Glyphogan	Glyphosate	2.073	0,04	12,0		1,7	0,1	5,85	30	1	0,03280	
	Pirimor G	Pirimicarb	2.071	0,04	0,6		0,1	0,1	0,005	0,01	1	0,00002	
	Mavrik 2F	Tau-fluvalinate	1.724	0,03		0,2	0,1	0,4	0,04		1	0,00050	
	Starane 180S	fluroxypyr	1.620	0,03	2,2		0,2	0,1	0,05	0,1	1	0,00015	
	Harmony Plus ST	tribenuron-methyl	1.602	0,03	0,1		0,8	5,4	0,01	0,1	1	0,00162	
	Harmony Plus ST	thifensulfuron-methyl	1.602	0,03	0,2		0,8	4,0	0,005	0,01	1	0,00061	
	Nicanor 20 SG	metsulfuron-methyl	1.525	0,03	0,0		0,0	0,2	0,01	0,05	1	0,00006	
	Orius 200 EW	Tebuconazole	1.504	0,03			0,2	0,05	0,05		1	6,76227E-05	
	NF-M 750	MCPA	1.483	0,03			0,6	0,6		0,2	1	0,00333	
	Metaxon	MCPA	1.463	0,03			0,6	0,5		0,2	1	0,00308	
	Accurate 20 WG	Metsulfuron-Methyl	1.300	0,02	0,0		0,0	0,2	0,01	0,05	1	0,00005	
	Ceando	Epoxiconazole	1.239	0,02	3,0		0,2	0,1	0,03	0,2	1	0,00005	
	Ceando	Metrafenon	1.239	0,02	3,0		0,2	0,1	0,09	0,6	1	0,00015	
	Karate 2,5 WG	Lambda-cyhalotrin	1.206	0,02	1,2		0,1	0,1	0,09	0,5	1	0,00024	
	Ally ST	Metsulfuron-methyl	1.143	0,02	0,0		0,4	26,2	0,01	0,05	1	0,00560	
	Amistar	Azoxystrobin	905	0,02	3,0		0,2	0,1	0,04	0,5	1	0,00004	
	Roundup Bio	Glyphosate	877	0,02	12,0		1,7	0,1	5,85	30	1	0,01382	
	Glyfosate 360	Glyphosate	730	0,01	12,0		1,7	0,1	5,85	30	1	0,01157	
	Ricorso (MiniMet)	metsulfuron-methyl	660	0,01	0,0		0,0	0,1	0,01	0,05	1	0,00002	
Barley (malt)	Oxitril CM	ioxynil	243.862	0,42	2,3		0,2	0,1	0,02	0,05	1	0,00058	
	Oxitril CM	bromoxynil	243.862	0,42	2,0		0,2	0,1	0,05	0,05	1	0,00162	
	Comet	Pyraclostrobin	208.421	0,36	2,0		0,2	0,1	0,084	0,3	1	0,00238	
	Express ST	tribenuron-methyl	185.941	0,32	0,1		0,6	10,1	0,005	0,01	1	0,01620	
	Proline EC 250	Prothioconazole	184.193	0,32	1,6		0,2	0,1	0,02	0,02	1	0,00073	
	Folicur EC 250	Tebuconazole	170.195	0,29	2,5		0,2	0,1	0,0255	0,3	1	0,00058	
	DFF	Diiflufenican	144.871	0,25	0,5		0,0	0,1	0,01	0,05	1	0,00016	
	Starane XL	florasulam	137.729	0,24	3,0		0,3	0,1	0,005	0,01	1	0,00010	
	Starane XL	fluroxypyr	137.729	0,24	4,0		0,3	0,1	0,05	0,1	1	0,00075	
	Hussar OD	Iodosulfuron	116.526	0,20	0,1		0,0	0,2	0,01	0,02	1	0,00038	
	Fastac 50	Alpha-Cypermethrin	100.848	0,17	0,3		0,3	0,8	0,0132	2	1	0,00179	
	Rubic	Epoxiconazole	98.558	0,17	2,0		0,2	0,1	0,04425	1	1	0,00073	
	Cyperb 100	Cypermethrin	95.542	0,17		0,25	0,1	0,5	0,02376		1	0,00201	
	Nuance WG	tribenuron-methyl	94.965	0,16	0,0		0,0	0,2	0,005	0,01	1	0,00017	
	Briotril 400 EC	ioxynil	94.569	0,16	2,8		0,3	0,1	0,02	0,05	1	0,00041	
	Briotril 400 EC	bromoxynil	94.569	0,16	1,7		0,3	0,2	0,025	0,05	1	0,00086	
	Prosaro 250 EC	Prothioconazole	90.723	0,16	3,2		0,3	0,1	0,02	0,02	1	0,00029	
	Prosaro 250 EC	Tebuconazole	90.723	0,16	5,0		0,3	0,1	0,0255	0,3	1	0,00024	
	Cerone	ethephon	90.540	0,16	1,5		0,2	0,1	0,05	0,5	1	0,00090	
	Bell	Epoxiconazole	88.130	0,15	3,7		0,2	0,1	0,04425	1	1	0,00044	
	Bell	Boscalid	88.130	0,15	3,0	1,5	0,2	0,1	0,5136	3	1	0,00628	
		Glyfonova 450 Plus	Glyphosate	79.918	0,14	9,6		1,3	0,1	5,85	30	1	0,10996
		Glyfonova 360 SL	Glyphosate	75.178	0,13	12,0		1,5	0,1	5,85	30	1	0,09458
		Tomahawk 180 EC	Fluroxypyr	72.934	0,13	2,2		0,2	0,1	0,05	0,1	1	0,00054
		Primera Super	fenoxaprop-P-ethyl	72.475	0,13	2,6		0,3	0,1	0,01		1	0,00013
		Pirimor G	Pirimicarb	65.414	0,11	0,6		0,1	0,1	0,00035	0,01	1	0,00000
		Lodin	Fluroxypyr	64.520	0,11	2,2		0,2	0,1	0,05	0,1	1	0,00051
		Metaxon	MCPA	58.300	0,10		1	0,5	0,5			1	0,00000
		Orius 200 EW	Tebuconazole	54.860	0,09	3,1		0,2	0,1	0,0255	0,3	1	0,00016
		Express SX	tribenuron-methyl	50.439	0,09	0,1		0,0	0,2	0,005	0,01	1	0,00007
		Foxtrot	fenoxaprop-P-ethyl	45.517	0,08	2,6		0,3	0,1	0,01		1	0,00008
		Trimmer 50 SG	tribenuron-methyl	43.375	0,07	0,1		0,0	0,1	0,005	0,01	1	0,00004
		NF-M 750	MCPA	42.174	0,07			0,4	0,4		0,2	1	0,00615
	Mustang forte	Florasulam	37.103	0,06	1,5		0,3	0,2	0,005	0,01	1	0,00006	
	Mustang forte	2,4D	37.103	0,06	5,6		0,3	0,0	0,025	0,05	1	0,00008	
	Mustang forte	Aminopyralid	37.103	0,06		0,75	0,3	0,3		0,1	1	0,00000	
	Mavrik 2F	Tau-fluvalinate	36.359	0,06	0,4		0,1	0,2	0,04		1	0,00041	
	Glyphogan	Glyphosate	36.140	0,06	12,0		1,5	0,1	5,85	30	1	0,04466	
	Karate 2,5 WG	Lambda-cyhalotrin	34.360	0,06	1,2		0,1	0,1	0,09	0,5	1	0,00054	
	Glyfosate 360	Glyphosate	31.316	0,05	12,0		1,5	0,1	5,85	30	1	0,03936	
		MCPA	30.963	0,05		1	0,6	0,6			1	0,00000	

SweDane MCPA										
750										
Opera	Epoxiconazole	29.875	0,05	5,0	1,0	0,2	0,04425	1	1	0,00046
Opera	Pyraclostrobin	29.875	0,05	3,8	1,0	0,3	0,084	0,3	1	0,00115
Fighter 480	Bentazone	29.705	0,05	3,1	0,5	0,2	0,06	0,1	1	0,00054
Stomp	Pendimethalin	25.877	0,04	4,0	0,3	0,1	0,01		1	0,00004
Starane 180S	fluroxypyr	25.573	0,04	2,2	0,2	0,1	0,05	0,1	1	0,00020
Roundup Bio	Glyphosate	21.806	0,04	12,0	1,6	0,1	5,85	30	1	0,02878
Legacy 500 SC	Diufenican	21.597	0,04	0,5	0,0	0,1	0,01	0,05	1	0,00002
Harmony Plus ST	tribenuron-methyl	21.450	0,04	0,2	0,7	3,7	0,005	0,01	1	0,00068
Harmony Plus ST	thifensulfuron-methyl	21.450	0,04	0,2	0,7	3,5	0,01	0,05	1	0,00131
Accurate 20 WG	Metsulfuron-Methyl	20.143	0,03	0,0	0,0	0,5	0,01	0,05	1	0,00018
Nicanor 20 SG	Metsulfuron-methyl	19.748	0,03	0,0	0,1	1,5	0,01	0,05	1	0,00052
Zenit 575 EC	Propiconazole	19.469	0,03	2	0,215	0,107	0,09	0,2	1	0,00032
Zenit 575 EC	Fenpropidin	19.469	0,03	3,3	0,2	0,1	0,092	0,5	1	0,00020
Opus	Epoxiconazole	17.944	0,03	2,0	0,2	0,1	0,04425	1	1	0,00012
Amistar	Azoxystrobin	16.643	0,03	3,0	0,1	0,0	0,0076	0,5	1	0,00001
Bumber 25 EC	Propiconazole	16.582	0,03	1,0	0,1	0,1	0,09	0,2	1	0,00031
Moddus M	Trinhexapac-ethyl	16.435	0,03	0,8	0,2	0,2	0,063	0,5	1	0,00035
Ally ST	Metsulfuron-methyl	15.841	0,03	0,0	0,4	23,8	0,01	0,05	1	0,00650
MCPA 750	MCPA	15.593	0,03	1	0,5	0,5			1	0,00000
Terpal	ethephon	14.906	0,03	4,6	0,3	0,1	0,05	0,5	1	0,00008
Terpal	mepiquat-chlorid	14.906	0,03	2,5	0,3	0,1	0,73		1	0,00212
Grasp 40 SC	tralkoxydim	13.646	0,02	1	0,2	0,2	0,01		1	5,45983E-05
Aproach										
Aproach	picoxystrobin	11.439	0,02	2,0	0,1	0,1	0,0018	0,2	1	0,00000
Ceando	Epoxiconazole	11.425	0,02	3,0	0,2	0,1	0,04425	1	1	0,00004
Ceando	Metrafenon	11.425	0,02	3,0	0,2	0,1	0,09	0,6	1	0,00009
Ricorso	metsulfuron-methyl	10.847	0,02	0,0	0,0	0,2	0,01	0,05	1	0,00003
(MiniMet)										
Jablo Glyfosat	Glyphosate	10.073	0,02	12,0	1,5	0,1	5,85	30	1	0,01247
Sugar Beet										
Safari	triflusaluron-methyl	37.228	0,84	0,1	0,1	0,7	0,01	0,02	1	0,00587
Opera	Epoxiconazole	31.620	0,71	5,0	0,6	0,1	0,025	0,05	1	0,00222
Opera	Pyraclostrobin	31.620	0,71	2,0	0,6	0,3	0,02	0,05	1	0,00445
Goltix SC 700	metamitron	22.918	0,52	5,0	2,4	0,5	0,025	0,05	1	0,00632
Ethosan SC	ethofumesat	20.038	0,45	2,0	0,1	0,1	0,05	0,5	1	0,00146
Ethofol 500 SC	ethofumesat	19.074	0,43	2,0	0,1	0,1	0,05	0,5	1	0,00135
Betanal Power	desmedipham	18.771	0,42	3,0	1,0	0,3	0,05	0,1	1	0,00688
Betanal Power	phenmedipham	18.771	0,42	6,0	1,0	0,2	0,02	0,15	1	0,00138
SweDane	phenmedipham	13.238	0,30	6,0	3,5	0,6	0,02	0,15	1	0,00351
Betasana 2000										
Betanal	phenmedipham	12.188	0,27	6,0	3,0	0,5	0,02	0,15	1	0,00277
Kemifam Power	desmedipham	11.303	0,25	3,0	1,0	0,3	0,05	0,1	1	0,00431
Kemifam Power	phenmedipham	11.303	0,25	6,0	1,0	0,2	0,02	0,15	1	0,00086
Command CS	Clomazone	10.537	0,24	0,2	0,1	0,5	0,01	0,01	1	0,00112
Agil 100 EC	propaquizafop	9.778	0,22	2,0	0,3	0,2	0,02	0,05	1	0,00066
Focus Ultra	cycloxydim	8.714	0,20	6,0	0,5	0,1	0,09	0,2	1	0,00134
Goliath	metamitron	7.567	0,17	5,0	2,2	0,4	0,025	0,05	1	0,00190
Rubric	Epoxiconazole	7.342	0,17	2,0	0,3	0,2	0,025	0,05	1	0,00066
Metafol 700 SC	metamitron	6.885	0,16	5,0	2,2	0,4	0,05	0,05	1	0,00341
Karate 2,5 WG	Lambda-cyhalotrin	6.332	0,14	1,2	0,2	0,2	0,01	0,02	1	0,00028
Betasana 2000	phenmedipham	5.924	0,13	6,0	3,2	0,5	0,02	0,15	1	0,00141
Cyperb 100	Cypermethrin	5.799	0,13	0,25	0,2	0,8	0,01		1	0,00104
Matrigon 72 SG	clopyralid	5.373	0,12	0,8	0,0	0,0	0,35	1	1	0,00089
SweDane	metamitron	4.184	0,09	5,0	2,4	0,5	0,025	0,05	1	0,00113
Metafol 700 SC										
Kontakt 320 SC	phenmedipham	3.813	0,09	3,0	1,6	0,5	0,02	0,15	1	0,00091
Herbasan	phenmedipham	3.498	0,08	6,0	3,7	0,6	0,02	0,15	1	0,00097
Glyfonova 450	Glyphosate	3.496	0,08	9,6	1,6	0,2	0,025	0,05	1	0,00032
Plus										
Opus	Epoxiconazole	2.157	0,05	2,0	0,4	0,2	0,025	0,05	1	0,00024
Cythrif 500	Cypermethrin	1.613	0,04	0,04	0,0	1,1	0,01		1	0,00041
ND Betafam SE	phenmedipham	1.089	0,02	4,5	2,1	0,5	0,02	0,15	1	0,00022
Pirimor G	Pirimicarb	1.084	0,02	1,0	0,1	0,1	0,005	0,01	1	0,00002
Glyfonova 360	Glyphosate	1.032	0,02	12,0	2,1	0,2	0,025	0,05	1	0,00010
SL										

Spinach (see 2014 data)

[Appendix 2.2](#)

Brussel sprouts

(see 2014 data)

[Appendix 2.2](#)

Gherkin (see 2014 data)

[Appendix 2.2](#)

Appendix 2.2. Results obtained with method 1 (spraying journal data combined with EU residue trials data for the year 2014, crops grown in Denmark)

Crop + Indication	Product Trade name	Active Substance	Area Of Use (Hectares)	Area Factor	cGAP Dose L/Ha	DK Max Dose L/Ha	Used Dose L/Ha	Dosage factor	STMR mg/kg	MRL mg/kg	Fraction Danish grown	Residue Estimate mg/kg
Potato Seed	Monceren DS	Pencycuron	3.618	0.08	4.0	3.0	0.8	0.01	0.1	1	0.00064	
	Monceren FS	Pencycuron	3.224	0.08	1.5	1.0	0.6	0.01	0.1	1	0.00048	
	Treatment	Prestige FS 370	Pencycuron	6.807	0.16	1.2	0.9	0.7	0.01	0.1	1	0.00119
		Prestige FS 370	Imidacloprid	6.807	0.16	1.2	0.9	0.7	0.05	0.5	1	0.00342
		Maxim 100 FS	Fludioxonil	245	0.01	0.6	0.6	0.9	0.01	0.04	1	0.00005
Potato Fungicides	Revus	Mandipropamid	25.448	0.60	3.6	3.6	1.2	0.3	0.01	0.01	1	0.00193
	Amistar	Azoxystrobin	20.543	0.48	1.5	1.0	0.5	0.4	0.005	1	1	0.00085
	Ranman	Cyazofamid	22.092	0.52	2.0	0.6	0.5	0.2	0.005	0.01	1	0.00060
	Dithane NT	Mancozeb	12.784	0.30	17.0	16.0	6.0	0.4	0.05	0.3	1	0.00528
	Tridex DG	Mancozeb	12.035	0.28	17.0	20.0	6.0	0.4	0.05	0.3	1	0.00501
	Ranman Top	Cyazofamid	14.650	0.34	5.0	3.0	1.1	0.2	0.005	0.01	1	0.00039
	Proxanil	Cymoxanil	7.710	0.18	15.6	15.0	1.8	0.1	0.01	0.05	1	0.00020
	Proxanil	Propamocarb	7.710	0.18	10.0	15.0	1.8	0.2	0.01	0.01	1	0.00032
	Revus Top	Mandipropamid	7.293	0.17	3.6	1.2	0.6	0.2	0.01	0.01	1	0.00030
	Revus Top	Difenoconazol	7.293	0.17	3.6	1.2	0.6	0.2	0.01	0.1	1	0.00030
	Signum WG	Boscalid	7.052	0.17	4.0	1.0	0.3	0.1	0.05	2	1	0.00067
	Signum WG	Pyraclostrobin	7.052	0.17	7.8	1.0	0.3	0.0	0.02	0.02	1	0.00014
	Curzate M68 Wg	Cymoxanil	1.560	0.04	17.3	7.2	1.6	0.1	0.01	0.05	1	0.00003
	Curzate M68 Wg	Mancozeb	1.560	0.04	18.8	7.2	1.6	0.1	0.05	0.3	1	0.00095
	Rizolex 10D	Tolclofos-methyl	2.847	0.07	3.5	1.8	0.5	0.5	0.02	0.2	1	0.00069
	Consento/Tyfon	Fenamidon	1.279	0.03	6.0	1.0	0.2	0.2	0.01	0.02	1	0.00005
	Consento/Tyfon	Propamocarb	1.279	0.03	10.7	1.0	0.1	0.1	0.01	0.01	1	0.00003
	Shirlan	Fluazinam	1.394	0.03	2.4	0.3	0.1	0.1	0.05	0.5	1	0.00023
	Penncozeb DG	Mancozeb	1.729	0.04	17.0	6.1	0.4	0.4	0.05	0.3	1	0.00073
	Mirador 250 SC	Azoxystrobin	1.159	0.03	1.6	1.0	0.3	0.2	0.005	1	1	0.00003
Rizolex 50 FW	Tolclofos-methyl	1.144	0.03	1.1	0.6	0.5	0.5	0.02	0.2	1	0.00028	
Cymbal 45	Cymoxanil	670	0.02	1.7	0.4	0.3	0.3	0.01	0.05	1	0.00004	
Potato Herbicides	Reglone	Diquat	18.294	0.43	10.0	5.0	1.8	0.2	0.045	0.1	1	0.00344
	Fenix	Aclonifen	22.825	0.54	4.0	2.5	0.8	0.2	0.02	0.1	1	0.00225
	Titus WSB	Rimsulfuron	19.809	0.46	0.3	0.1	0.3	0.3	0.01	0.1	1	0.00139
	Glyphonova 360 SL	Glyphosate	7.814	0.18	12.0	4.0	1.8	0.2	0.025	0.05	1	0.00069
	Boxer	Prosulfocarb	4.726	0.11	5.0	5.0	0.9	0.2	0.005	0.01	1	0.00010
	Roundup Bio	Glyphosate	3.568	0.08	12.0	4.0	1.5	0.1	0.025	0.05	1	0.00026
	Glyphosate 360	Glyphosate	3.202	0.08	12.0	4.0	1.5	0.1	0.025	0.05	1	0.00023
	Glyphonova 450 Plus	Glyphosate	4.420	0.10	9.6	4.0	1.8	0.2	0.025	0.05	1	0.00049
	Spotlight Plus	Carfentrazone ethyl	1.733	0.04	1.0	1.0	0.3	0.3	0.005	0.01	1	0.00014
	Command CS	Clomazone	1.000	0.02	0.3	0.3	0.1	0.4	0.005	0.01	1	0.00004
	IT-Diquat	Diquat	1.224	0.03	10.0	5.0	1.1	0.1	0.045	0.1	1	0.00015
	Glyphogan	Glyphosate	2.143	0.05	12.0	4.0	1.6	0.1	0.025	0.05	1	0.00016
	Metaxon	Mcpa	3.023	0.07	0.1	0.1	0.6	0.6	0.025	0.05	1	0.00104
	Agil 100 EC	Propaquizafop	1.138	0.03	0.8	0.3	0.3	0.3	not found	0.1	1	0.00086
	Potato Insecticide	Jablo Glyfosat	Glyphosate	1.365	0.03	12.0	1.0	0.1	0.1	0.025	0.05	1
Karate 2.5 WG		Lambda cyhalotrin	9.246	0.22	1.5	1.0	0.2	0.1	0.01	0.02	1	0.00030
Mospilan SG		Acetamiprid	12.946	0.30	0.5	0.5	0.3	0.5	0.01	0.01	1	0.00155
Tepeki		Flonicamid	1.295	0.03	0.3	0.3	0.1	0.4	0.03	0.07	1	0.00035
Cyperb 100		Cypermethrin	982	0.02	0.3	0.1	0.5	0.5	0.05	0.5	1	0.00058
Wheat Herbicide	Boxer	Prosulfocarb	496.347	0.74	5.0	5.0	1.1	0.2	0.005	0.01	0,69	0.00080
	DFF	Diflufenican	432.804	0.65	0.5	0.1	0.0	0.1	0.01	0.02	0,69	0.00067

	Oxitril CM	Ioxynil	315.599	0.47	2.3	0.2	0.1	0.1	0.02	0.05	0.69	0.00059
	Oxitril CM	Bromoxynil	315.599	0.47	2.0	0.2	0.1	0.1	0.025	0.05	0.69	0.00083
	Starane XL	Fluroxypyr	221.696	0.33	4.0	1.2	0.3	0.1	0.05	0.1	0.69	0.00136
	Starane XL	Florasulam	221.696	0.33	3.0	1.2	0.3	0.1	0.005	0.01	0.69	0.00018
	Stomp Pentagon	Pendimethalin	165.092	0.25	4.8	1.5	0.6	0.1	0.01	0.05	0.69	0.00031
	Broadway	Florasulam	140.746	0.21	0.3	0.2	0.1	0.5	0.005	0.01	0.69	0.00048
	Broadway	Pyroxulam	140.746	0.21	0.3	0.2	0.1	0.6	0.005	0.01	0.69	0.00058
	Hussar OD	Iodosulfuron	136.945	0.20	0.1	0.1	0.0	0.2	0.005	0.01	0.69	0.00024
	Glyfonova 450 Plus	Glyphosate	102.105	0.15	4.8	5.6	1.2	0.2	0.885	20	0.69	0.03241
	Atlantis OD	Iodosulfuron	93.091	0.14	5.0	0.9	0.2	0.0	0.005	0.01	0.69	0.00003
	Atlantis OD	Mesosulfuron	93.091	0.14	2.0	0.9	0.2	0.1	0.01	0.01	0.69	0.00014
	Cossack OD	Iodosulfuron	90.818	0.14	1.3	0.9	0.3	0.2	0.005	0.01	0.69	0.00015
	Cossack OD	Mesosulfuron	90.818	0.14	2.7	0.9	0.3	0.1	0.01	0.01	0.69	0.00015
	Glyfonova 360 SL	Glyphosate	80.914	0.12	6.0	7.0	1.3	0.2	0.885	20	0.69	0.02394
	Briotril 400 EC	Bromoxynil	78.829	0.12	1.7	0.2	0.2	0.1	0.025	0.05	0.69	0.00027
	Briotril 400 EC	Ioxynil	78.829	0.12	2.8	0.2	0.2	0.1	0.02	0.05	0.69	0.00013
	Monitor	Sulfosulfuron	67.186	0.10	0.0	0.0	0.0	0.3	0.01	0.01	0.69	0.00025
	Lexus 50 WG	Flupyr-sulfuron-methyl-Na	62.509	0.09	0.0	0.0	0.0	0.3	0.02	0.02	0.69	0.00047
	Stomp	Pendimethalin	61.034	0.09	4.0	1.2	0.6	0.1	0.01	0.05	0.69	0.00013
	Mustang forte	Florasulam	60.644	0.09	1.5	1.0	0.3	0.2	0.005	0.01	0.69	0.00009
	Mustang forte	2.4d	60.644	0.09	6.9	1.0	0.3	0.0	0.025	0.05	0.69	0.00009
	Mustang forte	Aminopyralid	60.644	0.09		1.0	0.3	0.3	not found	0.1	0.69	0.00259
	Legacy 500 SC	Diflufenican	60.614	0.09	0.5	0.2	0.0	0.1	0.01	0.02	0.69	0.00009
	Lodin	Fluroxypyr	52.521	0.08	2.2		0.2	0.1	0.05	0.1	0.69	0.00036
	Accurate 20 WG	Metsulfuron-methyl	51.069	0.08	0.0		0.0	0.2	0.005	0.01	0.69	0.00006
	Broadway (Floramix Alpha)	Florasulam	45.570	0.07	0.3		0.1	0.2	0.005	0.01	0.69	0.00008
	Broadway (Floramix Alpha)	Pyroxulam	45.570	0.07	0.3		0.1	0.3	0.005	0.01	0.69	0.00010
	Tomahawk 180 EC	Fluroxypyr	45.159	0.07	2.2		0.2	0.1	0.05	0.1	0.69	0.00034
	Nuance WG	Tribenuron-methyl	43.442	0.06	0.0		0.0	0.1	0.005	0.01	0.69	0.00004
	Primus XL	Florasulam	42.535	0.06	1.5		0.3	0.2	0.005	0.01	0.69	0.00006
	Primus XL	Fluroxypyr	42.535	0.06	4.0		0.3	0.1	0.05	0.1	0.69	0.00024
	Primera Super	Fenoxaprop-p ethyl	42.055	0.06	2.6		0.2	0.1	0.01	0.02	0.69	0.00005
	Metaxon	Mcpa	39.441	0.06		1.0	0.4	0.4	0.025	0.05	0.69	0.00054
	Nicanor 20 SG	Metsulfuron-methyl	38.241	0.06	0.0		0.0	0.2	0.005	0.01	0.69	0.00006
	Roxy EC	Prosulfocarb	37.229	0.06	5.0		1.1	0.2	0.005	0.01	0.69	0.00006
	Glyfosate 360	Glyphosate	33.865	0.05	6.0		1.6	0.3	0.885	20	0.69	0.01174
	Express SX	Tribenuron-methyl	32.496	0.05	0.1		0.0	0.1	0.005	0.01	0.69	0.00002
	Ally SX	Metsulfuron-methyl	30.598	0.05	0.0		0.0	0.2	0.005	0.01	0.69	0.00003
	Topik	Clodinafop-propargyl	29.730	0.04	0.6		0.1	0.1	0.02	0.1	0.69	0.00012
	MCPA 750	Mcpa	28.254	0.04		1.0	0.4	0.4	0.025	0.05	0.69	0.00042
	Foxtrot	Fenoxaprop-p ethyl	27.963	0.04	2.6		0.2	0.1	0.01	0.02	0.69	0.00003
	Ally ST	Metsulfuron-methyl	25.304	0.04	0.0		0.3	19.7	0.005	0.01	0.69	0.00374
	Saracen	Florasulam	25.134	0.04	0.2		0.0	0.2	0.005	0.01	0.69	0.00003
Wheat	Proline EC 250	Prothioconazole	445.601	0.67	2.4	1.6	0.3	0.1	0.02	0.02	0.69	0.00164
Fungicides	Bell	Epoxiconazole	391.985	0.59	3.7	1.5	0.5	0.1	0.035	0.6	0.69	0.00279
	Bell	Boscalid	391.985	0.59	3.0	1.5	0.5	0.2	0.12	0.5	0.69	0.01180
	Rubric	Epoxiconazole	314.745	0.47	2.0	1.0	0.4	0.2	0.035	0.6	0.69	0.00309
	Comet	Pyraclostrobin	263.053	0.39	2.0	2.0	0.1	0.1	0.02	0.2	0.69	0.00056
	Ceando	Epoxiconazole	228.756	0.34	3.0	1.5	0.3	0.1	0.035	0.6	0.69	0.00103
	Ceando	Metrafenon	228.756	0.34	3.0	1.5	0.3	0.1	0.01	0.07	0.69	0.00029
	Viverda	Epoxiconazole	139.553	0.21	5.0	2.5	0.6	0.1	0.035	0.6	0.69	0.00082
	Viverda	Pyraclostrobin	139.553	0.21	8.3	2.5	0.6	0.1	0.02	0.2	0.69	0.00028
	Viverda	Boscalid	139.553	0.21	5.0	2.5	0.6	0.2	0.12	0.5	0.69	0.00559
	Flexity	Metrafenon	129.981	0.19	1.0	0.5	0.1	0.1	0.01	0.07	0.69	0.00025
	Bumber 25 EC	Propiconazole	112.214	0.17	1.0	1.0	0.2	0.2	0.06	0.05	0.69	0.00152

	Folicur EC 250	Tebuconazole	60.866	0.09	2.5	2.0	0.2	0.1	0.05	0.1	0.69	0.00035
	Opus	Epoxiconazole	57.869	0.09	2.0	1.0	0.2	0.2	0.035	0.6	0.69	0.00071
	Prosaro 250 EC	Prothioconazole	55.994	0.08	4.8	2.0	0.3	0.2	0.02	0.02	0.69	0.00025
	Prosaro 250 EC	Tebuconazole	55.994	0.08	5.0	2.0	0.3	0.2	0.05	0.1	0.69	0.00063
	Tern	Fenpropidin	55.105	0.08	2.0	0.8	0.1	0.1	0.04	0.1	0.69	0.00023
	Maredo 125 SC	Epoxiconazole	41.573	0.06	2.0	1.0	0.3	0.1	0.035	0.6	0.69	0.00028
	Orius 200 EW	Tebuconazole	29.521	0.04	3.1	2.5	0.2	0.1	0.05	0.1	0.69	0.00012
	Zenit 575 EC	Propiconazole	25.312	0.04	2.0		0.2	0.1	0.06	0.05	0.69	0.00022
	Zenit 575 EC	Fenpropidin	25.312	0.04	3.3		0.2	0.1	0.04	0.1	0.69	0.00009
	Tilt 250 EC	Propiconazole	17.904	0.03	1.0		0.1	0.1	0.06	0.05	0.69	0.00019
	Opera	Epoxiconazole	10.331	0.02	5.0		0.2	0.0	0.035	0.6	0.69	0.00002
	Opera	Pyraclostrobin	10.331	0.02	3.8		0.2	0.0	0.02	0.2	0.69	0.00001
Wheat	Mavrik 2F	Tau-fluvalinate	266.437	0.40	0.6	0.4	0.1	0.1	0.04	0.05	0.69	0.00185
Insecticide	Cyperb 100	Cypermethrin	111.322	0.17		0.3	0.1	0.5	0.036	2	0.69	0.00280
	Fastac 50	Alpha-cypermethrin	86.874	0.13	0.4	0.3	0.1	0.3	0.01	2	0.69	0.00043
	Karate 2.5 WG	Lambda cyhalotrin	54.932	0.08	1.2	1.2	0.1	0.1	0.01	0.05	0.69	0.00008
	Pirimor G	Pirimicarb	31.123	0.05	0.5	0.2	0.1	0.1	0.01	0.01	0.69	0.00005
	Cythrion 500	Cypermethrin	22.661	0.03		0.1	0.0	0.6	0.036	2	0.69	0.00076
	Agros tau	Tau-fluvalinate	3.881	0.01	0.6		0.1	0.1	0.04	0.05	0.69	0.00003
Wheat	Cycocel 750	Chlormequat	171.068	0.26	0.8		0.7	0.8	0.37	4	0.69	0.08048
Growth	Moddus M	Trinexapac-ethyl	71.491	0.11	0.5		0.2	0.3	0.09	0.5	0.69	0.00289
Regulator	Cuadro 25 EC	Trinexapac-ethyl	30.643	0.05	0.5		0.2	0.3	0.09	0.5	0.69	0.00135
	Trece 750	Chlormequat	28.008	0.04	0.8		0.6	0.7	0.37	4	0.69	0.01128
	Medax Top	Mepiquat chloride	20.255	0.03	3.3		0.4	0.1	0.6		0.69	0.00203
	Medax Top	Prohexadione calcium	20.255	0.03	1.5		0.4	0.2	0.05	0.1	0.69	0.00037
	CCC 750	Chlormequat	18.180	0.03	0.8		0.7	0.8	0.37	4	0.69	0.00849
Rye	Boxer	Prosulfocarb	61.148	0.59	5.0	5.0	1.1	0.2	0.005	0.01	0.87	0.00065
Herbicides	DFF	Diflufenican	54.112	0.52	0.4	0.1	0.0	0.1	0.01	0.02	0.87	0.00063
	Oxitril CM	Ioxynil	36.947	0.35	2.0	0.2	0.2	0.1	0.02	0.05	0.87	0.00056
	Oxitril CM	Bromoxynil	36.947	0.35	2.0	0.2	0.2	0.1	0.025	0.05	0.87	0.00070
	Starane XL	Fluroxypyr	17.044	0.16	4.0	1.2	0.4	0.1	0.05	0.1	0.87	0.00078
	Starane XL	Florasulam	17.044	0.16	3.0	1.2	0.4	0.1	0.005	0.01	0.87	0.00010
	Stomp Pentagon	Pendimethalin	15.700	0.15	4.8	1.5	0.7	0.1	0.01	0.05	0.87	0.00021
	Briotril 400 EC	Ioxynil	13.284	0.13	2.5	0.2	0.2	0.1	0.02	0.05	0.87	0.00019
	Briotril 400 EC	Bromoxynil	13.284	0.13	1.7	0.2	0.2	0.1	0.025	0.05	0.87	0.00035
	Legacy 500 SC	Diflufenican	7.470	0.07	0.4	0.2	0.0	0.1	0.01	0.02	0.87	0.00008
	Stomp	Pendimethalin	7.003	0.07	4.0	1.0	0.6	0.2	0.01	0.05	0.87	0.00011
	Hussar OD	Iodosulfuron	6.953	0.07	0.1	0.1	0.0	0.3	0.005	0.01	0.87	0.00010
	Broadway	Florasulam	6.738	0.06	0.3	0.2	0.1	0.3	0.005	0.01	0.87	0.00010
	Broadway	Pyroxulam	6.738	0.06	0.3	0.2	0.1	0.4	0.005	0.01	0.87	0.00012
	Glyfonova 450 Plus	Glyphosate	6.350	0.06	4.8	5.6	1.3	0.3	0.885	20	0.87	0.01439
	Cossack OD	Iodosulfuron	5.826	0.06	1.3	0.6	0.3	0.2	0.005	0.01	0.87	0.00007
	Cossack OD	Mesosulfuron	5.826	0.06	2.7	0.6	0.3	0.1	0.01	0.01	0.87	0.00007
	Roxy EC	Prosulfocarb	5.765	0.06	5.0	5.0	1.1	0.2	0.005	0.01	0.87	0.00006
	Mustang forte	Florasulam	5.621	0.05	1.5	1.0	0.3	0.2	0.005	0.01	0.87	0.00006
	Mustang forte	2.4d	5.621	0.05	6.9	1.0	0.3	0.1	0.025	0.05	0.87	0.00007
	Mustang forte	Aminopyralid	5.621	0.05		1.0	0.3	0.3	not found	0.1	0.87	0.00188
	Glyfonova 360 SL	Glyphosate	5.548	0.05	6.0	7.0	1.8	0.3	0.885	20	0.87	0.01440
	Accurate 20 WG	Metsulfuron-methyl	5.438	0.05	0.0	0.0	0.0	0.2	0.005	0.01	0.87	0.00006
	Lexus 50 WG	Flupyralsulfuron-methyl-Na	5.244	0.05	0.0		0.0	0.3	0.02	0.02	0.87	0.00030
	Atlantis OD	Iodosulfuron	5.053	0.05	5.0	0.9	0.2	0.0	0.005	0.01	0.87	0.00001
	Atlantis OD	Mesosulfuron	5.053	0.05	2.0	0.9	0.2	0.1	0.01	0.01	0.87	0.00005
	Nicanor 20 SG	Metsulfuron-methyl	4.493	0.04	0.0	0.0	0.0	0.2	0.005	0.01	0.87	0.00004
	Primus XL	Florasulam	3.815	0.04	1.5		0.3	0.2	0.005	0.01	0.87	0.00004
	Primus XL	Fluroxypyr	3.815	0.04	4.0		0.3	0.1	0.05	0.1	0.87	0.00015
	Nuance WG	Tribenuron-methyl	3.763	0.04	0.0		0.0	0.1	0.005	0.01	0.87	0.00002
	Broadway (Floramix Alpha)	Florasulam	3.349	0.03	0.3		0.1	0.4	0.005	0.01	0.87	0.00006
	Broadway (Floramix Alpha)	Pyroxulam	3.349	0.03	0.3		0.1	0.4	0.005	0.01	0.87	0.00007
	Express SX		3.133	0.03	0.1		0.0	0.1	0.005	0.01	0.87	0.00002

		Tribenuron-methyl										
	Ally SX	Metsulfuron-methyl	2.999	0.03	0.0		0.0	0.2	0.005	0.01	0.87	0.00003
	Ally ST	Metsulfuron-methyl	2.889	0.03	0.0		0.4	26.1	0.005	0.01	0.87	0.00362
Rye	Cycocel 750	Chlormequat	14.279	0.14	2.0		0.9	0.5	0.59	4	0.87	0.03811
Growth Regulator	Moddus M	Trinexapac-ethyl	7.826	0.08	0.5		0.3	0.6	0.09	0.5	0.87	0.00375
	Cerone	Etephon	4.809	0.05	1.5		0.4	0.2	0.05	0.5	0.87	0.00054
	Cuadro 25 EC	Trinexapac-ethyl	3.277	0.03	0.5		0.3	0.6	0.09	0.5	0.87	0.00181
	Trece 750	Chlormequat	2.068	0.02	2.0		0.7	0.4	0.59	4	0.87	0.00416
	Medax Top	Mepiquat chloride	1.715	0.02	3.3		0.5	0.1	0.6		0.87	0.00146
	Medax Top	Prohexadione calcium	1.715	0.02	1.5		0.5	0.3	0.05	0.1	0.87	0.00027
	Terpal	Mepiquat chloride	1.185	0.01	3.3		0.6	0.2	0.6		0.87	0.00119
	Terpal	Etephon	1.185	0.01	4.6		0.6	0.1	0.05	0.5	0.87	0.00007
	CCC 750	Chlormequat	1.042	0.01	2.0		0.6	0.3	0.59	4	0.87	0.00164
	Stabilan Extra	Chlormequat	701	0.01	2.0		0.8	0.4	0.59	4	0.87	0.00160
Rye	Folicur EC 250	Tebuconazole	28.845	0.28	2.5		0.3	0.1	0.03	0.1	0.87	0.00099
Fungicides	Proline EC 250	Prothioconazole	19.492	0.19	2.4		0.2	0.1	0.02	0.02	0.87	0.00027
	Rubric	Epoxiconazole	15.699	0.15	2.0		0.2	0.1	0.035	0.6	0.87	0.00058
	Prosaro 250 EC	Prothioconazole	15.613	0.15	4.8		0.3	0.1	0.02	0.02	0.87	0.00018
	Prosaro 250 EC	Tebuconazole	15.613	0.15	5.0		0.3	0.1	0.05	0.1	0.87	0.00042
	Comet	Pyraclostrobin	12.586	0.12	2.0		0.1	0.1	0.02	0.2	0.87	0.00017
	Orius 200 EW	Tebuconazole	10.169	0.10	3.1		0.3	0.1	0.03	0.1	0.87	0.00027
	Ceando	Epoxiconazole	9.481	0.09	3.0		0.2	0.1	0.035	0.6	0.87	0.00022
	Ceando	Metrafenon	9.481	0.09	3.0		0.2	0.1	0.01	0.07	0.87	0.00006
	Bell	Epoxiconazole	7.482	0.07	3.7		0.3	0.1	0.035	0.6	0.87	0.00018
	Bell	Boscalid	7.482	0.07	3.0		0.3	0.1	0.12	0.5	0.87	0.00084
	Flexity	Metrafenon	2.493	0.02	1.0		0.1	0.1	0.01	0.07	0.87	0.00002
	Opus	Epoxiconazole	2.488	0.02	2.0		0.2	0.1	0.035	0.6	0.87	0.00009
	Viverda	Epoxiconazole	1.677	0.02	5.0		0.7	0.1	0.035	0.6	0.87	0.00007
	Viverda	Pyraclostrobin	1.677	0.02	8.3		0.7	0.1	0.02	0.2	0.87	0.00003
	Viverda	Boscalid	1.677	0.02	5.0		0.7	0.1	0.12	0.5	0.87	0.00025
	Zenit 575 EC	Propiconazole	1.385	0.01	2.0		0.2	0.1	0.06	0.05	0.87	0.00008
	Zenit 575 EC	Fenpropidin	1.385	0.01	2.0		0.2	0.1	0.04	0.1	0.87	0.00006
Rye	Cyperb 100	Cypermethrin	10.305	0.10		0.3	0.1	0.5	0.036	2	0.87	0.00184
Insecticide	Fastac 50	Alpha-cypermethrin	9.492	0.09	0.4	0.3	0.1	0.4	0.01	2	0.87	0.00032
	Karate 2.5 WG	Lambda cyhalotrin	8.619	0.08	1.2		0.2	0.1	0.005	0.01	0.87	0.00005
	Cythrion 500	Cypermethrin	2.011	0.02		0.1	0.0	0.9	0.036	2	0.87	0.00061
	Mavrik 2F	Tau-fluvalinate	1.803	0.02	0.6		0.1	0.1	0.04	0.05	0.87	0.00007
Apples & Pears	Cyperb 100 EW	Cypermethrin	979	0.01		0.3	0.1	0.5	0.036	2	0.87	0.00015
Insecticide	Mospilan SG	Acetamiprid	781	0.44	0.8	0.5	0.3	0.4	0.03	0.8	0.48	0.00495
	Teppeki	Fonicamid	529	0.30	0.4	0.4	0.1	0.3	0.06	0.3	0.48	0.00496
	Steward	Indoxacarb	511	0.29	1.0	1.0	0.2	0.2	0.1	0.4	0.48	0.00526
	Pirimor G	Pirimicarb	462	0.26	1.5	0.2	0.3	0.2	0.286	0.5	0.48	0.01256
	Madex	Cydia pomonella granulosis virus (cpgv)	392	0.22		0.5	0.1	0.2	N.A.	N.A.	0.48	0.00000
	Movento SC 100	Spirotetramat	251	0.14	4.3	4.5	1.0	0.2	0.1	1	0.48	0.00337
	Karate 2.5 WG	Lambda cyhalotrin	173	0.10	1.2	0.8	0.7	0.6	0.02	0.08	0.48	0.00117
	DiPel DF	Bacillus thuringiensis	61	0.03			1.4		N.A.	N.A.	0.48	0.00000
Apples & Pears	Delan WG	Dithianon	1.099	0.61	9.0		3.2	0.4	0.62	3	0.48	0.13548
Fungicide	Merpan 80 WG	Captan	966	0.54	18.0		5.9	0.3	2.05	3	0.48	0.36413
	Scala	Pyrimethanil	882	0.49	7.5		1.7	0.2	0.77	15	0.48	0.08407
	Candit	Kresoxim-methyl	691	0.39	1.0		0.5	0.5	0.07	0.2	0.48	0.01306
	Dithane NT	Mancozeb	531	0.30	38.4		4.0	0.1	0.75	5	0.48	0.02304
	Signum WG	Boscalid	367	0.20	3.0		0.9	0.3	0.36	2	0.48	0.02249
	Signum WG	Pyraclostrobin	367	0.20	7.2		0.9	0.1	0.1	0.3	0.48	0.00262
	Kumulus S	Sulphur	220	0.12			12.7		N.A.	N.A.	0.48	0.00000
	Switch 62.5 WG	Cyprodinil	122	0.07	3.6		0.6	0.2	0.49	1.5	0.48	0.00561
	Switch 62.5 WG	Fludioxonil	122	0.07	3.6		0.6	0.2	0.19	5	0.48	0.00217
	Delan 750 SC	Dithianon	44	0.02	8.4		2.6	0.3	0.62	3	0.48	0.00465
	Roundup Bio	Glyphosate	320	0.18	12.0		3.6	0.3	0.025	0.05	0.48	0.00134

Apples & Pears	Glyfonova 450 Plus	Glyphosate	211	0.12	9.6	3.1	0.3	0.025	0.05	0.48	0.00096			
	Herbicide	Jablo Glyfosat	Glyphosate	204	0.11	12.0	3.3	0.3	0.025	0.05	0.48	0.00079		
		Glyphogan	Glyphosate	124	0.07	12.0	3.6	0.3	0.025	0.05	0.48	0.00053		
		Reglone	Diquat	55	0.03	2.0	0.9	0.4	0.01	0.02	0.48	0.00013		
* Pheromone traps used in Apples & Pears where not included since they are not sprayed on the crop.														
Carrot	Fenix	Aclonifen	1.329	0.66	2.5	0.7	0.3	0.01	0.1	0.74	0.00182			
	Herbicides	Command CS	Clomazone	837	0.41	0.3	0.2	0.5	0.005	0.01	0.74	0.00110		
		Stomp	Pendimethalin	769	0.38	4.0	0.5	0.1	0.04	0.3	0.74	0.00196		
		DFF	Diflufenican	764	0.38	0.3	0.1	0.4		0.05	0.74	0.00782		
		Aramo	Tepraloxymid	742	0.37	2.0	0.9	0.5	0.13	0.4	0.74	0.02256		
		Boxer	Prosulfocarb	427	0.21	5.0	0.4	0.1	0.19	1	0.74	0.00345		
		Glyfonova 450 Plus	Glyphosate	378	0.19	9.6	2.4	0.2	0.025	0.05	0.74	0.00116		
		Roundup Ultra	Glyphosate	312	0.15	12.0	0.2	0.0	0.025	0.05	0.74	0.00005		
		Glyfonova 360 SL	Glyphosate	304	0.15	12.0	2.7	0.2	0.025	0.05	0.74	0.00083		
		Reglone	Diquat	182	0.09	2.0	0.9	0.5		0.05	0.74	0.00210		
		Stomp CS	Pendimethalin	100	0.05	3.5	0.1	0.0	0.04	0.3	0.74	0.00006		
		Glyfosate 360	Glyphosate	100	0.05	12.0	0.6	0.0	0.025	0.05	0.74	0.00006		
		Roundup Bio	Glyphosate	95	0.05	12.0	0.9	0.1	0.025	0.05	0.74	0.00009		
		Carrots	Amistar	Azoxystrobin	827	0.41	4.0	0.5	0.1	0.05	1	0.74	0.00274	
Fungicide	Signum WG		Boscalid	459	0.23	2.0	1.0	0.5	0.09	2	0.74	0.01008		
	Signum WG		Pyraclostrobin	459	0.23	2.0	1.0	0.5	0.03	0.1	0.74	0.00336		
	Ortiva Top		Difenoconazol	428	0.21	3.0	1.0	0.3	0.05	0.2	0.74	0.00365		
	Ortiva Top		Azoxystrobin	428	0.21	5.0	1.0	0.2	0.05	1	0.74	0.00219		
	Karate 2.5 WG		Lambda cyhalotrin	836	0.41	0.8	0.5	0.6	0.01	0.02	0.74	0.00243		
Carrots	Insecticide	Pirimor G	Pirimicarb	362	0.18	1.5	0.2	0.2	0.01	0.05	0.74	0.00028		
		Fastac 50	Alpha	100	0.05		0.0	1.0	not	0.05	0.74	0.00248		
		Cypermethrin*not approved for carrots in DK							found					
Onions	Totril	Ioxynil	1.140	0.97	7.1	1.3	0.2	0.02	0.2	1	0.00359			
	Herbicide	Stomp	Pendimethalin	1.120	0.95	5.0	1.6	0.3	0.05	0.05	1	0.01473		
		Aramo	Tepraloxymid	1.094	0.93	2.0	1.5	0.7	0.1		1	0.06811		
		Fenix	Aclonifen	1.048	0.89	4.0	0.8	0.2	0.02	0.05	1	0.00364		
		Boxer	Prosulfocarb	930	0.79	5.0	1.3	0.3	0.01	0.03	1	0.00197		
		Reglone	Diquat	713	0.60	2.0	0.7	0.4		0.05	1	0.01079		
		Glyfonova 450 Plus*	Glyphosate	392	0.33	9.6	1.6	0.2	0.025	0.05	1	0.00140		
		Roundup Bio	Glyphosate	164	0.14	12.0	1.1	0.1	0.025	0.05	1	0.00031		
		Glyfonova 360 SL	Glyphosate	110	0.09	12.0	0.8	0.1	0.025	0.05	1	0.00015		
		LFS Glyphosat 360	Glyphosate	74	0.06	12.0	3.3	0.3	0.025	0.05	1	0.00043		
		Glyfonova Plus	Glyphosate	67	0.06	12.0	1.4	0.1	0.025	0.05	1	0.00016		
		Onions	Fungicides	Signum WG	Boscalid	1.115	0.94	4.5	1.2	0.3	0.05	5	1	0.01307
				Signum WG	Pyraclostrobin	1.115	0.94	3.0	1.2	0.4	0.02	0.05	1	0.00784
				Dithane NT	Mancozeb	1.098	0.93	12.3	4.6	0.4	0.17	1	1	0.05950
Shirlan	Fluazinam			988	0.84	6.4	1.3	0.2	0.01	0.01	1	0.00174		
Acrobat New	Dimethomorph			974	0.83	9.0	4.6	0.5	0.2	0.6	1	0.08360		
Acrobat New	Mancozeb			974	0.83	13.9	4.6	0.3	0.17		1	0.04617		
Amistar	Azoxystrobin			865	0.73	4.0	0.7	0.2	0.005	0.01	1	0.00066		
ND Mastana SC	Mancozeb			54	0.05	20.3	2.0	0.1	0.17		1	0.00077		
Onions	Growth Regulator			Antergon MH	Maleinhydrazid	812	0.69	4.0	2.5	0.6	7.5		1	3.16192
				Karate 2.5 WG	Lambda cyhalotrin	593	0.50	0.6	0.2	0.3	0.01	0.06	1	0.00157
Tomato	Vertimec	Abamectin	15	0.42	10.8	1.7	0.1	0.031	0.02	0.48	0.00087			
	Steward	Indoxacarb	15	0.42	0.8	0.6	0.3	0.03	0.5	0.48	0.00407			
	Scala	Pyrimethanil	15	0.42	4.5	3.3	0.3	0.36	1	0.48	0.04744			
	Conserve	Spinosad	10	0.29	19.3	7.0	0.2	0.25	1	0.48	0.01131			
	Teldor WG 50	Fenhexamid	10	0.29	4.5	0.9	0.1	0.4	1	0.48	0.01034			
	Switch 62.5 WG	Cyprodinil	10	0.29	3.0	0.7	0.1	0.17	1.5	0.48	0.00488			
	Switch 62.5 WG	Fludioxonil	10	0.29	3.0	0.7	0.0	0.15	3	0.48	0.00145			
	Floramate 240 SC	Bifenazate	10	0.29	1.5	0.2	0.3	0.14	0.5	0.48	0.01221			
	Warrant 700 WG	Imidacloprid	10	0.29	0.7	0.4	1.1	1.0	0.1	0.5	0.48	0.02907		
	Previcur Energy	Propamocarb	10	0.29	5.9	1.7	0.0	0.5	4	0.48	0.00612			
	Previcur Energy	Fosetyl	10	0.29	51.0	1.7	0.0	11	100	0.48	0.00627			
	Movento SC 100	Spirotetramat	5	0.13	5.8	5.8	1.3	0.0	0.44	2	0.48	0.00000		
	Cucumber	Vertimec	Abamectin	15	1.00	6.0	0.9	0.2	0.007	0.04	0.5	0.00032		

	Plenum 50 WG	Pymetrozin	10	0.66	2.7		0.1	0.0	0.21		0.5	0.00185
	Scala	Pyrimethanil	10	0.66	6.0		0.2	0.0	0.24	0.6	0.5	0.00143
	Floramite 240 SC	Bifenazate	10	0.66	1.7		0.1	0.1	0.07	0.3	0.5	0.00094
	Previcur Energy	Propamocarb	10	0.66	14.0		5.0	0.4	1.6	5	0.5	0.11043
	Previcur Energy	Fosetyl	10	0.66	41.0		5.0	0.1	26	75	0.5	0.61276
	Fungazil A	Imazalil	10	0.66		12.0	1.6	0.1	not found	0.2	0.5	0.00528
	Switch 62.5 WG	Cyprodinil	10	0.66	3.0		0.9	0.3	0.13	0.5	0.5	0.00723
	Switch 62.5 WG	Fludioxonil	10	0.66	3.0		0.9	0.3	0.1	1	0.5	0.00563
	Fungazil TM 100	Imazalil	5	0.33		6.0	1.5	0.2	not found	0.2	0.5	0.00496
Lettuce	Amistar	Azoxystrobin	5	0.33	2.0		2.7	1.3	0.19	1	0.5	0.02356
	Revus	Mandipropamid	1.148	1.00	1.2		0.2	0.1	5.65	25	0.46	0.83542
	Cyperb 100	Cypermethrin	1.126	0.98		0.3	0.3	1.1	0.74		0.46	0.77612
	Aliette 80 WG	Fosetyl	1.090	0.95	12.0		0.8	0.1	2.3	75	0.46	0.15113
	Fastac 50	Alpha-cypermethrin	1.090	0.95		0.4	0.2	0.5	not found	2	0.46	0.96408
	Signum WG	Boscalid	751	0.65	3.0		0.7	0.2	3.2	30	0.46	0.49158
	Signum WG	Pyraclostrobin	751	0.65	3.0		0.7	0.2	0.13	0.5	0.46	0.02010
	Amistar	Azoxystrobin	711	0.62	4.0		0.4	0.1	0.36	15	0.46	0.02187
	Mospilan SG	Acetamiprid	666	0.58	0.5		0.1	0.2	0.49	5	0.46	0.06915
	Movento SC 100	Spirotetramat	666	0.58	2.2	0.9	0.2	0.1	0.198		0.46	0.01044
	Roundup Bio	Glyphosate	446	0.39	12.0		1.2	0.1	0.025	0.05	0.46	0.00094
	Previcur Energy	Propamocarb	428	0.37	5.2		1.4	0.3	6.65	20	0.46	0.67956
	Previcur Energy	Fosetyl	428	0.37	31.0		1.4	0.0	2.3	75	0.46	0.03905
	Scala	Pyrimethanil	402	0.35	4.0		0.3	0.1	3.66		0.46	0.11159
	Pirimor G	Pirimicarb	402	0.35	1.5		0.0	0.0	0.056	0.15	0.46	0.00035
	Steward	Indoxacarb	402	0.35	0.2		0.1	0.4	0.27	2	0.46	0.03424
Mirador 250 SC	Azoxystrobin	402	0.35	4.0		0.5	0.1	0.36	15	0.46	0.01689	
Spruzit Neu (frilandsgrønsager)	Pyrethrin I and II	153	0.13	26		3.9	0.1	0.1	0.3	0.46	0.00198	
Contans WG	Coniothyrium minitans	153	0.13			0.3		N.A.	N.A.	0.46	0.00000	
Peas	Confidor WG 70	Imidacloprid	27	0.02	0.2		0.1	0.8	0.05		0.46	0.00093
	Fighter 480	Bentazone	2.804	0.58	2.5		0.8	0.3	0.06	0.5	1	0.01116
	Stomp	Pendimethalin	2.270	0.47	2.3		1.1	0.5	0.05	0.05	1	0.01091
	Pirimor G	Pirimicarb	2.048	0.42	1.5		0.1	0.1	0.238	0.7	1	0.00939
	Karate 2.5 WG	Lambda cyhalotrin	1.810	0.38	0.6		0.2	0.4	0.01	0.2	1	0.00136
	Amistar	Azoxystrobin	1.352	0.28	2.0		0.3	0.2	0.12	3	1	0.00531
	Mavrik 2F	Tau-fluvalinate	1.195	0.25	0.6		0.1	0.3	0.09		1	0.00565
	Cyperb 100	Cypermethrin	1.102	0.23		0.3	0.2	0.6	0.04	0.7	1	0.00566
	Stomp CS	Pendimethalin	1.059	0.22	2.0		0.8	0.4	0.05	0.05	1	0.00443
	Glyfonova 450 Plus	Glyphosate	816	0.17		3.2	1.8	0.6		0.1	1	0.00939
	Basagran M 75	Bentazone	805	0.17	4.9		1.2	0.2	0.06	0.5	1	0.00239
	Basagran M 76	Mcpa	805	0.17		1.5	1.2	0.8		0.1	1	0.01295
	Fenix	Aclonifen	773	0.16	4.0		0.7	0.2	0.02	0.05	1	0.00054
	Fastac 50	Alpha-cypermethrin	710	0.15	0.3		0.2	0.7	0.01	0.1	1	0.00107
	Signum WG	Boscalid	605	0.13	3.0		0.5	0.2	0.64	3	1	0.01333
	Signum WG	Pyraclostrobin	605	0.13	2.1		0.5	0.2		0.02	1	0.00060
Agil 100 EC	Propaquizafop	579	0.12		0.9	0.5	0.5		0.2	1	0.01260	
Command CS	Clomazone	451	0.09	0.3		0.2	0.5	0.005	0.01	1	0.00022	
Bentazone 480	Bentazone	409	0.08	2.5		0.9	0.3	0.06	0.5	1	0.00176	
Glyfonova 360 SL	Glyphosate	402	0.08		4.0	2.7	0.7	not found	0.1	1	0.00555	
Mirador 250 SC	Azoxystrobin	379	0.08	2.0		0.2	0.1	0.12	3	1	0.00082	
Roundup Bio	Glyphosate	229	0.05		4.0	2.7	0.7	not found	0.1	1	0.00321	
Glyphogan	Glyphosate	218	0.05		4.0	2.6	0.6	not found	0.1	1	0.00291	
Peas without pods	Focus Ultra	Cycloxydim	164	0.03	9.0	5.0	0.7	0.1	0.3	2	1	0.00076
	Fighter 480	bentazone	2.804	0.58	2.5		0.8	0.3	0.03	0.2	0.47	0.00558
	Stomp	pendimethalin	2.270	0.47	2.3		1.1	0.5	0.01	0.03	0.47	0.00218
	Pirimor G	pirimicarb	2.048	0.42	1.5		0.1	0.1	0.01	0.01	0.47	0.00039
	Karate 2.5 WG	lambda cyhalotrin	1.810	0.38	0.6		0.2	0.4	0.01	0.2	0.47	0.00136
	Amistar	azoxystrobin	1.352	0.28	2.0		0.3	0.2	0.06	3	0.47	0.00266

	Mavrik 2F	tau-fluvalinate	1.195	0.25	0.6		0.1	0.3	0.01	0.47	0.00063	
	Cyperb 100	cypermethrin	1.102	0.23		0.3	0.2	0.6	0.22	0.7	0.47	
	Stomp CS	pendimethalin	1.059	0.22	2.0		0.8	0.4	0.01	0.03	0.47	
	Glyfonova 450 Plus	glyphosate	816	0.17		3.2	1.8	0.6		0.1	0.47	
	Basagran M 75	bentazone	805	0.17	4.9		1.2	0.2	0.03	0.2	0.47	
	Basagran M 76	MCPA	805	0.17		1.5	1.2	0.8		0.1	0.47	
	Fenix	aclonifen	773	0.16	4.0		0.7	0.2	0.01	0.05	0.47	
	Fastac 50	alpha-cypermethrin	710	0.15	0.3		0.2	0.7	0.01		0.47	
	Signum WG	boscalid	605	0.13	3.0		0.5	0.2	0.05	3	0.47	
	Signum WG	pyraclostrobin	605	0.13	2.1		0.5	0.2	0.02	0.02	0.47	
	Agil 100 EC	propaquizafop	579	0.12		0.9	0.5	0.5	not found	0.05	0.47	
	Command CS	clomazone	451	0.09	0.3		0.2	0.5	0.005	0.01	0.47	
	Bentazone 480	bentazone	409	0.08	2.5		0.9	0.3	0.03	0.2	0.47	
	Glyfonova 360 SL	glyphosate	402	0.08		4.0	2.7	0.7	not found	0.1	0.47	
	Mirador 250 SC	azoxystrobin	379	0.08	2.0		0.2	0.1	0.06	3	0.47	
	Roundup Bio	glyphosate	229	0.05		4.0	2.7	0.7	not found	0.1	0.47	
	Glyphogan	glyphosate	218	0.05		4.0	2.6	0.6	not found	0.1	0.47	
Leek	Focus Ultra	cycloxydim	164	0.03	9.0	5.0	0.7	0.1	7.89	20	0.47	
	Totril	ioxynil	266	0.84	7.1		1.3	0.2	0.87	3	0.67	
	Aramo	tepraloxydim	246	0.78	2.0		1.2	0.6	0.1	0.3	0.67	
	Amistar	azoxystrobin	242	0.77	4.0		1.1	0.3	0.08	0.08	0.67	
	Folicur EC 250	tebuconazole	231	0.74	3.0		1.3	0.4	0.21	0.6	0.67	
	Karate 2.5 WG	lambda cyhalotrin	225	0.71	0.8		0.5	0.6	0.05	0.3	0.67	
	Signum WG	boscalid	212	0.67	4.5		0.9	0.2	0.93	5	0.67	
	Signum WG	pyraclostrobin	212	0.67	4.5		0.9	0.2	0.22	0.5	0.67	
	Boxer	Prosulfocarb	178	0.57	5.0		1.7	0.3	0.005	0.01	0.67	
	Stomp	pendimethalin	128	0.41	5.0		1.0	0.2	0.05	0.05	0.67	
	Vertimec	abamectin	118	0.38	1.5		0.8	0.6	0.006	0.01	0.67	
	Stomp CS	pendimethalin	118	0.38	4.4		1.6	0.4	0.05	0.05	0.67	
	Ortiva Top	difenconazol	89	0.28		0.6	0.6	1.0	0.13	0.5	0.67	
	Ortiva Top	azoxystrobin	89	0.28	5.0		0.6	0.1	0.08	0.08	0.67	
Plum	Jablo Glyfosat	glyphosate	29	0.09	12.0		0.5	0.0	0.025	0.05	0.67	
	Reglone	diquat	27	0.09		2.0	1.5	0.7		0.05	0.67	
	Signum WG	boscalid	36	0.58	2.0		1.1	0.6	0.13	3	0.12	
	Signum WG	pyraclostrobin	36	0.58	2.2		1.1	0.5	0.04	0.2	0.12	
	Karate 2.5 WG	lambda cyhalotrin	29	0.47	1.2		0.6	0.5	0.01	0.2	0.12	
	Dithane NT	mancozeb	21	0.34	12.8		2.8	0.2	0.1		0.12	
	Delan WG	dithianon	14	0.24		2.0	1.5	0.7		0.5	0.12	
	Roundup Bio	glyphosate	13	0.21	12.0		2.5	0.2	0.025	0.05	0.12	
	Pirimor G	pirimicarb	8	0.13	2.2		0.2	0.1	0.418	1.5	0.12	
	Metaxon	MCPA	6	0.09		1.0	0.6	0.6	0.025	0.05	0.12	
	Mospilan SG	acetamiprid	5	0.08	0.5		0.2	0.5	0.01	0.02	0.12	
	Glyfonova 450 Plus	glyphosate	3	0.06	9.6		3.1	0.3	0.025	0.05	0.12	
	Jablo Glyfosat	glyphosate	3	0.05	12.0		4.5	0.4	0.025	0.05	0.12	
	SweDane MCPA 750	MCPA	2	0.04		1.0	0.9	0.9	0.025	0.05	0.12	
Strawberry	Switch 62.5 WG	cyprodinil	2	0.03	3.6		0.6	0.2	0.11	0.4	0.12	
	Switch 62.5 WG	fludioxonil	2	0.03	3.0		0.6	0.2	0.11	0.3	0.12	
	Glyphogan	glyphosate	2	0.03	12.0		4.0	0.3	0.025	0.05	0.12	
	Boxer	Prosulfocarb	638	0.44		5.0	1.8	0.4		0.05	0.61	
	Herbicides	Kerb 400 SC	propyzamid	559	0.38	3.5		0.7	0.2	0.01	0.01	0.61
	Stomp	pendimethalin	447	0.31	5.0		1.1	0.2	0.05	0.05	0.61	
	Betanal	phenmedipham	431	0.30	8.0		1.9	0.2	0.02	0.16	0.61	
	Focus Ultra	cycloxydim	223	0.15		5.0	1.0	0.2		3	0.61	
	Reglone	diquat	209	0.14	4.0	2.5	2.1	0.5	0.01	0.05	0.61	
	Matrigon 72 SG	clopyralid	199	0.14		0.0	0.0	0.7		0.5	0.61	
	Goltix SC 700	metamitron	178	0.12		2.0	0.4	0.2		0.1	0.61	
	Stomp CS	pendimethalin	108	0.07	4.4		0.9	0.2	0.05	0.05	0.61	
	Roundup Bio	glyphosate	91	0.06		4.0	0.9	0.2		0.1	0.61	
	Glyfonova 450 Plus	glyphosate	49	0.03		4.0	0.6	0.2		0.1	0.61	
Goliath	metamitron	48	0.03		2.0	0.3	0.2		0.1	0.61		
Signum WG	boscalid	777	0.53	3.6		1.6	0.4	0.46	10	0.61		

Strawberry	Signum WG	pyraclostrobin	777	0.53	3.7		1.6	0.4	0.1	0.5	0.61	0.02319	
	Fungicides	Teldor WG 50	fenhexamid	708	0.49	4.5		1.1	0.2	1.4	5	0.61	0.16871
		Candit	kresoxim-methyl	521	0.36	0.9		0.2	0.2	0.07	0.2		0.00445
	Amistar	azoxystrobin	521	0.36	4.0		0.6	0.2	0.56	10	0.61	0.03184	
	Frupica SC	<u>mepanipyrim</u>	461	0.32	1.8		0.5	0.3	0.4		0.61	0.03785	
	Switch 62.5 WG	cyprodinil	393	0.27	3.0		0.5	0.2	0.44	5	0.61	0.02013	
	Switch 62.5 WG	fludioxonil	393	0.27	3.0		0.5	0.2	0.27	3	0.61	0.01252	
	Tilt 250 EC	propiconazole	367	0.25		1.0	0.6	0.6		0.05	0.61	0.00752	
	Scala	pyrimethanil	346	0.24	4.0		0.9	0.2	1.15	5	0.61	0.06012	
	Aliette 80 WG	fosetyl AL	241	0.17	15.0		1.2	0.1	9.65	60	0.61	0.13248	
	Kumulus S	sulphur	107	0.07			3.5				0.61	0.00000	
	Mirador 250 SC	azoxystrobin	67	0.05	4.0		0.4	0.1	0.56	10	0.61	0.00237	
	Strawberry	Insecticides	Karate 2.5 WG	lambda cyhalotrin	668	0.46	1.0		0.2	0.2	0.01	0.5	0.61
Biscaya OD 240			thiacloprid	486	0.33	1.0		0.2	0.2	0.07	0.2	0.61	0.00453
Fastac 50		alpha-cypermethrin	339	0.23	0.3		0.2	0.6	0.01	0.05	0.61	0.00149	
Pirimor G		pirimicarb	131	0.09	1.5		0.1	0.1	0.253		0.61	0.00223	
Milbeknock		milbemectin	110	0.08	2.5		1.3	0.5	0.02	0.02	0.61	0.00081	
Danitron 5 SC		fenpyroximat	84	0.06	1.9		0.6	0.3	0.06	1	0.61	0.00101	
Sluux		iron III phosphate	72	0.05			5.8				0.61	0.00000	
Floramite 240 SC		bifenazate	45	0.03	1.7		0.0	0.0	0.18	3	0.61	0.00004	
Fenix		aclonifen	69	0.62	2.5		0.4	0.2	0.01	0.1	1	0.00099	
Karate 2.5 WG		lambda cyhalotrin	69	0.61	0.6		0.3	0.5	0.03	0.1	1	0.00982	
Amistar		azoxystrobin	67	0.60	2.0		1.5	0.7	0.08	1	1	0.03517	
Boxer		Prosulfocarb	12	0.11	5.0		0.7	0.1	0.03	0.08	1	0.00041	
Glyfonova 450 Plus		glyphosate	9	0.08	9.6		2.0	0.2	0.025	0.05	1	0.00042	
Cyperb 100	cypermethrin	3	0.03		0.3	0.3	0.9		2	1	0.04670		
Mirador 250 SC	azoxystrobin	3	0.02	2.0		1.0	0.5	0.08	1	1	0.00100		
Broccoli	Karate 2.5 WG	lambda cyhalotrin	284	1.00	1.6		0.6	0.4	0.02	0.1	0.37	0.00744	
	Steward	indoxacarb	281	0.99	0.3		0.6	2.2	0.07	0.3	0.37	0.15568	
	Amistar	azoxystrobin	234	0.82	4.0		0.2	0.0	0.03	5	0.37	0.00117	
	Pirimor G	pirimicarb	230	0.81		0.3	0.2	0.8		0.5	0.37	0.30914	
	Fastac 50	alpha-cypermethrin	230	0.81	0.3		0.4	1.6	0.016	0.5	0.37	0.02068	
	Dithane NT	mancozeb	210	0.74	11.2		0.8	0.1	0.25		0.37	0.01371	
	Cyperb 100	cypermethrin	210	0.74		0.3	0.2	0.7		1	0.37	0.48200	
	Signum WG	boscalid	189	0.67	3.0		0.8	0.3	0.05		0.37	0.00913	
	Signum WG	pyraclostrobin	189	0.67	3.1		0.8	0.3	0.02	0.1	0.37	0.00350	
	Stomp	pendimethalin	159	0.56	4.1		0.1	0.0	0.05	0.05	0.37	0.00086	
	Reglone	diquat	159	0.56		2.0	0.1	0.0		0.05	0.37	0.00070	
	Ortiva Top	difenoconazol	159	0.56	3.0		0.9	0.3	0.04	0.2	0.37	0.00657	
	Ortiva Top	azoxystrobin	159	0.56	5.0		0.9	0.2	0.03	5	0.37	0.00296	
Movento SC 100	spirotetramat	41	0.14	1.4		0.0	0.0	0.31	0.6	0.37	0.00115		
Glyfonova 360 SL	glyphosate	30	0.11	12.0		0.3	0.0	0.025	0.05	0.37	0.00007		
Cauliflower	Karate 2.5 WG	lambda cyhalotrin	308	0.98	1.6		0.6	0.3	0.02	0.2	0.38	0.00680	
	Steward	indoxacarb	256	0.81	0.3		0.1	0.2	0.07	0.3	0.38	0.01348	
	Fastac 50	alpha-cypermethrin	175	0.56	0.3		0.2	0.8	0.01	0.5	0.38	0.00453	
	Cyperb 100	cypermethrin	166	0.53		0.3	0.2	0.8		0.5	0.38	0.21766	
	Pirimor G	pirimicarb	146	0.46		0.3	0.3	0.9		0.5	0.38	0.19726	
	Amistar	azoxystrobin	146	0.46	4.0		0.4	0.1	0.03	5	0.38	0.00122	
	Signum WG	boscalid	105	0.33	3.0		0.4	0.1	0.05		0.38	0.00217	
	Signum WG	pyraclostrobin	105	0.33	3.1		0.4	0.1	0.02	0.1	0.38	0.00083	
	Glyfonova 450 Plus	glyphosate	76	0.24	9.6		2.8	0.3	0.025	0.05	0.38	0.00174	
	Ortiva Top	difenoconazol	70	0.22		1.0	0.2	0.2	0.03	0.2	0.38	0.00143	
	Ortiva Top	azoxystrobin	70	0.22	5.0		0.2	0.0	0.03	5	0.38	0.00029	
	Movento SC 100	spirotetramat	63	0.20	1.4		0.2	0.1	0.31	0.6	0.38	0.00743	
	Confidor WG 70	imidacloprid	40	0.13	0.1		0.0	0.3	0.05		0.38	0.00171	
Head Cabbage	Karate 2.5 WG	lambda cyhalotrin	517	0.65	1.6		0.4	0.2	0.04	0.2	0.39	0.00600	
	Amistar	azoxystrobin	384	0.49	4.0		3.9	1.0	0.01	5	0.39	0.00469	
	Signum WG	boscalid	338	0.43	3.0		1.0	0.3	0.05	5	0.39	0.00695	
	Signum WG	pyraclostrobin	338	0.43	3.1		1.0	0.3	0.02	0.2	0.39	0.00266	
	Fastac 50	alpha-cypermethrin	303	0.38	0.3		0.2	0.9	0.01	0.5	0.39	0.00328	
	Pirimor G	pirimicarb	240	0.30	1.5		0.1	0.1	0.1	0.1	0.39	0.00297	
	Steward	indoxacarb	222	0.28	0.3		0.1	0.4	0.02	3	0.39	0.00241	

	Ortiva Top	difenoconazol	214	0.27		1.0	0.6	0.6	0.02	0.2	0.39	0.00345
	Ortiva Top	azoxystrobin	214	0.27	5.0		0.6	0.1	0.01	5	0.39	0.00035
	Cyperb 100	cypermethrin	168	0.21		0.3	0.2	0.9	0.02		0.39	0.00379
	Movento SC 100	spirotetramat	148	0.19	1.4		0.6	0.4	0.11	0.3	0.39	0.00798
	Command CS	clomazone	138	0.18	0.3		0.2	0.7	0.005	0.01	0.39	0.00062
	Cyperb 100 EW	cypermethrin	100	0.13		0.3	0.1	0.5	0.02		0.39	0.00121
	Roundup Bio	glyphosate	83	0.11	12.0		1.5	0.1	0.025	0.05	0.39	0.00033
	Stomp	pendimethalin	48	0.06	4.1		0.9	0.2	0.05	0.05	0.39	0.00065
	Glyfonova 450 Plus	glyphosate	47	0.06	9.6		3.2	0.3	0.025	0.05	0.39	0.00049
	Mirador 250 SC	azoxystrobin	40	0.05	4.0		0.9	0.2	0.01	5	0.39	0.00011
	Cythrín 500	cypermethrin	37	0.05		0.3	0.0	0.2	0.02		0.39	0.00018
	Matrigrón 72 SG	clopyralid	37	0.05		0.1	0.0	0.3	0.23	0.5	0.39	0.00299
	Activus 40 WG	pendimethalin	30	0.04	4.1		0.9	0.2	0.05	0.05	0.39	0.00040
Oats	Oxítril CM	ioxynil	7.653	0.22	2.3		0.2	0.1	0.02	0.05	1	0.00035
Herbicides	Oxítril CM	bromoxynil	7.653	0.22	2.0		0.2	0.1	0.025	0.05	1	0.00050
	Starane XL	florasulam	5.806	0.17	3.0		0.3	0.1	0.005	0.01	1	0.00008
	Starane XL	fluroxypyr	5.806	0.17	4.0		0.3	0.1	0.05	0.1	1	0.00063
	Express SX	tribenuron-methyl	5.359	0.15	0.0		0.0	0.3	0.005	0.01	1	0.00020
	Nuance WG	tribenuron-methyl	5.093	0.15	0.0		0.0	0.8	0.005	0.01	1	0.00056
	Express ST	tribenuron-methyl	3.781	0.11	0.0		0.7	16.1	0.005	0.01	1	0.00073
	Tomahawk 180 EC	fluroxypyr	3.308	0.09	2.2		0.2	0.1	0.05	0.1	1	0.00047
	Briotril 400 EC	ioxynil	3.281	0.09	2.8		0.2	0.1	0.02	0.05	1	0.00013
	Briotril 400 EC	bromoxynil	3.281	0.09	1.7		0.2	0.1	0.025	0.05	1	0.00028
	Mustang forte	florasulam	2.743	0.08	1.5		0.4	0.2	0.005	0.01	1	0.00009
	Mustang forte	2.4D	2.743	0.08	5.6		0.4	0.1	0.025	0.05	1	0.00013
	Mustang forte	aminopyralid	2.743	0.08	5.6	0.8	0.4	0.5		0.1	1	0.00376
	Glyfonova 360 SL	glyphosate	2.697	0.08	6.0		1.7	0.3	5.85	30	1	0.12624
	Glyfonova 450 Plus	glyphosate	2.008	0.06	4.8		1.8	0.4	5.85	30	1	0.12389
	Trimmer 50 SG	tribenuron-methyl	1.856	0.05	0.0		0.0	0.2	0.005	0.01	1	0.00004
	Lodin	fluroxypyr	1.772	0.05	2.2		0.2	0.1	0.05	0.1	1	0.00023
	Metaxon	MCPA	1.021	0.03		1.0	0.6	0.6	0.025	0.05	1	0.00045
	Glyphogan	glyphosate	998	0.03	6.0		1.7	0.3	5.85	30	1	0.04698
	Starane 180S	fluroxypyr	994	0.03	2.2		0.3	0.1	0.05	0.1	1	0.00016
	Accurate 20 WG	metsulfuron-methyl	964	0.03	0.0		0.0	0.2	0.005	0.01	1	0.00003
	Primus XL	florasulam	861	0.02	1.5		0.3	0.2	0.005	0.01	1	0.00002
	Primus XL	fluroxypyr	861	0.02	4.0		0.3	0.1	0.05	0.1	1	0.00009
	Express Gold SX	tribenuron-methyl	853	0.02	0.1		0.0	0.1	0.005	0.01	1	0.00001
	Express Gold SX	metsulfuron-methyl	853	0.02	0.1		0.0	0.1	0.005	0.01	1	0.00001
	Nicanor 20 SG	metsulfuron-methyl	733	0.02	0.0		0.0	0.2	0.005	0.01	1	0.00003
	Glyfosate 360	glyphosate	639	0.02	6.0		1.7	0.3	5.85	30	1	0.02975
	MCPA 750	MCPA	501	0.01		1.0	0.6	0.6	0.025	0.05	1	0.00020
	Harmony Plus ST	tribenuron-methyl	467	0.01	0.1		0.8	6.4	0.005	0.01	1	0.00043
	Harmony Plus ST	trifensulfuron-methyl	467	0.01	0.2		0.8	4.6	0.01	0.01	1	0.00062
	Ally ST	metsulfuron-methyl	443	0.01	0.0		0.5	30.7	0.005	0.01	1	0.00195
	Lodin 200 EC	fluroxypyr	435	0.01	2.0		0.2	0.1	0.05	0.1	1	0.00005
	Roundup Bio	glyphosate	424	0.01	6.0		1.8	0.3	5.85	30	1	0.02089
	SweDane MCPA 750	MCPA	407	0.01		1.0	0.5	0.5	0.025	0.05	1	0.00016
Oats	Folicur EC 250	tebuconazole	6.216	0.18	2.5		0.2	0.1	0.05	0.3	1	0.00078
Fungicides	Comet	pyraclostrobin	3.082	0.09	2.0		0.1	0.1	0.07	0.3	1	0.00037
	Prosaro 250 EC	prothioconazole	2.112	0.06	3.2		0.2	0.1	0.02	0.02	1	0.00009
	Prosaro 250 EC	tebuconazole	2.112	0.06	5.0		0.2	0.0	0.05	0.3	1	0.00015
	Rubric	epoxiconazole	2.013	0.06	2.0		0.2	0.1	0.03	0.2	1	0.00016
	Orius 200 EW	tebuconazole	1.964	0.06	3.1		0.2	0.1	0.05	0.3	1	0.00022
	Proline EC 250	prothioconazole	1.888	0.05	1.6		0.2	0.1	0.02	0.02	1	0.00011
	Bell	boscalid	1.603	0.05	3.0		0.2	0.1	1.07	3	1	0.00384
	Bell	epoxiconazole	1.603	0.05	3.7		0.2	0.1	0.03	0.2	1	0.00009
	Zenit 575 EC	propiconazole	1.215	0.03	2.0		0.2	0.1	0.09	0.2	1	0.00036
	Zenit 575 EC	fenpropidin	1.215	0.03	5.0		0.2	0.0	0.08	0.3	1	0.00013
	Ceando	epoxiconazole	990	0.03	3.0		0.2	0.1	0.03	0.2	1	0.00006
	Ceando	metrafenon	990	0.03	3.0		0.2	0.1	0.09	0.6	1	0.00019
	Flexity	metrafenon	632	0.02	1.0		0.1	0.1	0.09	0.6	1	0.00018

	Amistar	azoxystrobin	615	0.02	3.0	0.2	0.1	0.04	0.5	1	0.00004	
	Tern	fenpropidin	546	0.02	3.0	0.2	0.1	0.08	0.3	1	0.00008	
	Bumber 25 EC	propiconazole	433	0.01	1.0	0.1	0.1	0.09	0.2	1	0.00016	
	Opus	epoxiconazole	431	0.01	2.0	0.2	0.1	0.03	0.2	1	0.00003	
Oats	Fastac 50	alpha-cypermethrin	2.693	0.08	0.4	0.1	0.4	0.02	2	1	0.00058	
	Growth											
	Regulators	Cyperb 100	cypermethrin	2.519	0.07	0.3	0.1	0.6	0.036	1	0.00147	
		Karate 2.5 WG	lambda cyhalotrin	1.742	0.05	1.2	0.1	0.1	0.09	0.5	1	0.00055
		Pirimor G	pirimicarb	1.635	0.05	0.6	0.1	0.1	0.01	0.01	1	0.00005
		Mavrik 2F	tau-fluvalinate	1.338	0.04	0.4	0.1	0.2	0.1	1	0.00081	
		Cythrion 500	cypermethrin	586	0.02	0.1	0.0	0.8	0.036	1	0.00049	
Oats	Cycoel 750	Chlormequat	2.535	0.07	2.0	0.9	0.5	3.1	9	1	0.10398	
	Growth	Moddus M	trinexapac	452	0.01	0.5	0.2	0.3	0.09	0.5	1	0.00034
	Regulator											
Spring Barley	Oxitril CM	ioxynil	190.016	0.39	2.3	0.2	0.1	0.02	0.05	1	0.00052	
	Herbicide	Oxitril CM	bromoxynil	190.016	0.39	2.0	0.2	0.1	0.025	0.05	1	0.00073
		DFF	diflufenican	129.786	0.26	0.5	0.0	0.1	0.01	0.05	1	0.00019
		Express SX	tribenuron-methyl	109.243	0.22	0.1	0.0	0.2	0.005	0.01	1	0.00020
		Nuance WG	tribenuron-methyl	104.467	0.21	0.0	0.0	0.2	0.005	0.01	1	0.00018
		Starane XL	florasulam	92.581	0.19	3.0	0.2	0.1	0.005	0.01	1	0.00008
		Starane XL	fluroxypyr	92.581	0.19	4.0	0.2	0.1	0.05	0.1	1	0.00059
		Hussar OD	iodosulfuron	88.218	0.18	0.1	0.0	0.2	0.005	0.01	1	0.00018
		Briotril 400 EC	ioxynil	83.418	0.17	2.8	0.2	0.1	0.02	0.05	1	0.00022
		Briotril 400 EC	bromoxynil	83.418	0.17	1.7	0.2	0.1	0.025	0.05	1	0.00046
		Glyfonova 450 Plus	glyphosate	75.958	0.15	4.8	6.2	1.3	5.85	30	1	1.16613
		Primera Super	fenoxaprop-p ethyl	69.131	0.14	2.6	0.3	0.1	0.01	0.02	1	0.00015
		Tomahawk 180 EC	fluroxypyr	66.838	0.14	2.2	0.2	0.1	0.05	0.1	1	0.00056
		Glyfonova 360 SL	glyphosate	58.486	0.12	6.0	1.6	0.3	5.85	30	1	0.18242
		Express ST	tribenuron-methyl	57.799	0.12	0.1	0.6	10.0	0.005	0.01	1	0.00588
		Lodin	fluroxypyr	54.504	0.11	2.2	0.2	0.1	0.05	0.1	1	0.00047
		Metaxon	MCPA	50.547	0.10	1.0	0.5	0.5	0.025	0.05	1	0.00117
		Mustang forte	florasulam	42.432	0.09	1.5	0.3	0.2	0.005	0.01	1	0.00008
		Mustang forte	2.4D	42.432	0.09	5.6	0.3	0.1	0.025	0.05	1	0.00011
		Mustang forte	aminopyralid	42.432	0.09	0.8	0.3	0.4	not found	0.1	1	0.00326
		Foxtrot	fenoxaprop-p ethyl	40.703	0.08	2.6	0.3	0.1	0.01	0.02	1	0.00009
		Trimmer 50 SG	tribenuron-methyl	36.540	0.07	0.1	0.0	0.1	0.005	0.01	1	0.00004
		Glyfosate 360	glyphosate	25.845	0.05	6.0	1.6	0.3	5.85	30	1	0.08465
		Fighter 480	bentazone	24.925	0.05	3.1	0.3	0.1	0.06	0.1	1	0.00033
		Legacy 500 SC	diflufenican	23.494	0.05	0.5	0.0	0.1	0.01	0.05	1	0.00003
		MCPA 750	MCPA	22.040	0.04	1.0	0.4	0.4	0.025	0.05	1	0.00049
		Glyphogan	glyphosate	21.328	0.04	6.0	1.5	0.3	5.85	30	1	0.06528
		Starane 180S	fluroxypyr	20.442	0.04	2.2	0.2	0.1	0.05	0.1	1	0.00016
		SweDane MCPA 750	MCPA	18.712	0.04	1.0	0.6	0.6	0.025	0.05	1	0.00054
		Accurate 20 WG	metsulfuron-methyl	17.247	0.04	0.0	0.0	0.2	0.005	0.01	1	0.00003
		Roundup Bio	glyphosate	16.342	0.03	6.0	1.4	0.2	5.85	30	1	0.04695
		Express Gold SX	tribenuron-methyl	16.205	0.03	0.1	0.0	0.2	0.005	0.01	1	0.00004
		Express Gold SX	metsulfuron-methyl	16.205	0.03	0.1	0.0	0.4	0.005	0.01	1	0.00007
		Stomp	pendimethalin	14.913	0.03	4.0	0.3	0.1	0.01	1	0.00002	
		Nicanor 20 SG	metsulfuron-methyl	14.442	0.03	0.0	0.0	0.2	0.005	0.01	1	0.00003
		Primus XL	florasulam	13.703	0.03	1.5	0.2	0.2	0.005	0.01	1	0.00002
		Primus XL	fluroxypyr	13.703	0.03	4.0	0.2	0.1	0.05	0.1	1	0.00009
		Fluxyr 200 EC	fluroxypyr	13.491	0.03	2.0	0.2	0.1	0.05	0.1	1	0.00013
		Jablo Glyfosat	glyphosate	13.096	0.03	6.0	1.6	0.3	5.85	30	1	0.04131
Spring Barley	Proline EC 250	prothioconazole	198.162	0.40	1.6	0.2	0.1	0.02	0.02	1	0.00095	
	Comet	pyraclostrobin	197.772	0.40	2.0	0.1	0.1	0.084	0.3	1	0.00217	
	Fungicides	Prosaro 250 EC	prothioconazole	109.786	0.22	3.2	0.3	0.1	0.02	0.02	1	0.00043
		Prosaro 250 EC	tebuconazole	109.786	0.22	5.0	0.3	0.1	0.025	0.3	1	0.00035
		Folicur EC 250	tebuconazole	106.031	0.22	2.5	0.2	0.1	0.025	0.3	1	0.00039
		Rubric	epoxiconazole	90.797	0.19	2.0	0.2	0.1	0.044	1	1	0.00077
		Bell	boscalid	72.315	0.15	3.0	0.2	0.1	0.513	3	1	0.00604

	Bell	epoxiconazole	72.315	0.15	3.7		0.2	0.1	0,044	1	1	0,00042
	Orius 200 EW	tebuconazole	62.832	0.13	3.1		0.2	0.1	0,025	0.3	1	0,00021
	Opera	epoxiconazole	21.389	0.04	5.0		0.3	0.1	0,044	1	1	0,00011
	Opera	pyraclostrobin	21.389	0.04	3.8		0.3	0.1	0,084	0.3	1	0,00028
	Bumber 25 EC	propiconazole	16.758	0.03	1.0		0.2	0.2	0,09	0.2	1	0,00048
	Amistar	azoxystrobin	14.677	0.03	3.0		0.1	0.0	0,007	0.5	1	0,00001
	Opus	epoxiconazole	12.847	0.03	2.0		0.2	0.1	0,044	1	1	0,00009
	Ceando	epoxiconazole	11.166	0.02	3.0		0.2	0.1	0,044	1	1	0,00006
	Ceando	metrafenon	11.166	0.02	3.0		0.2	0.1	0,09	0.6	1	0,00012
	Viverda	epoxiconazole	11.022	0.02	5.0		0.3	0.1	0,044	1	1	0,00006
	Viverda	boscalid	11.022	0.02	5.0		0.3	0.1	0,51	3	1	0,00073
	Viverda	pyraclostrobin	11.022	0.02	8.3		0.3	0.0	0,084	0.3	1	0,00007
Spring	Fastac 50	alpha	63.886	0.13	0.3		0.1	0.4	0,013	2	1	0,00063
Barley		cypermethrin										
Insecticides	Cyperb 100	cypermethrin	62.260	0.13		0.3	0.1	0.5	0,023		1	0,00148
	Karate 2.5 WG	lambda cyhalotrin	59.897	0.12	1.2		0.1	0.1	0,09	0.5	1	0,00115
	Pirimor G	pirimicarb	53.975	0.11	0.6		0.1	0.1	0,0007	0.01	1	0,00001
	Mavrik 2F	tau-fluvalinate	35.010	0.07	0.4		0.1	0.2	0,003		1	0,00003
	Cythrion 500	cypermethrin	11.635	0.02		0.1	0.0	0.7	0,023		1	0,00039
Spring Barley	Moddus M	trinexapac	16.157	0.03	0.7		0.2	0.2	0,063	0.5	1	0,00046
Growth Regulator												
Sugar Beet												
	Opera	pyraclostrobin	31.450	0.88	2.0		0.7	0.3	0,02	0.05	1	0,00599
	Opera	epoxiconazole	31.450	0.88	5.0		0.7	0.1	0,025	0.05	1	0,00300
	Rubric	epoxiconazole	6.201	0.17	2.0		0.3	0.2	0,025	0.05	1	0,00067
	Opus	epoxiconazole	1.135	0.03	2.0		0.3	0.2	0,025	0.05	1	0,00013
	Safari	triflusalufuron-methyl	33.643	0.94	0.1		0.0	0.2	0,01	0.02	1	0,00209
	Goltix SC 700	metamitron	22.285	0.62	5.0		2.4	0.5	0,05	0.05	1	0,01485
	Ethosan SC	ethofumesate	21.609	0.60	2.0		0.1	0.1	0,05	0.5	1	0,00192
	Betanal Power	desmedipham	19.259	0.54	3.0		2.5	0.8	0,05	0.1	1	0,02228
	Betanal Power	phenmedipham	19.259	0.54	6.0		2.5	0.4	0,02	0.15	1	0,00446
	Ethofol 500 SC	ethofumesate	13.656	0.38	2.0		0.1	0.1	0,05	0.5	1	0,00114
	Focus Ultra	cycloxydim	12.186	0.34	9.0		0.5	0.1	0,09	0.2	1	0,00157
	Betanal	phenmedipham	11.146	0.31	6.0		2.8	0.5	0,02	0.15	1	0,00292
	Kemifam Power	desmedipham	11.122	0.31	3.0		1.0	0.3	0,05	0.1	1	0,00508
	Kemifam Power	phenmedipham	11.122	0.31	6.0		1.0	0.2	0,02	0.15	1	0,00102
	SweDane Betasana 2000	phenmedipham	9.863	0.28	6.0		3.0	0.5	0,02	0.15	1	0,00271
	Command CS	clomazone	9.763	0.27	0.2		0.1	0.4	0,005	0.01	1	0,00059
	Betasana 2000	phenmedipham	7.545	0.21	6.0		3.2	0.5	0,02	0.15	1	0,00221
	Agil 100 EC	propaquizafop	7.385	0.21	2.0		0.2	0.1	0,02	0.05	1	0,00049
	Matrigon 72 SG	clopyralid	6.845	0.19		0.1	0.0	0.1	0,35	1	1	0,00947
	Metafol 700 SC	metamitron	5.637	0.16	5.0		2.1	0.4	0,05	0.05	1	0,00328
	Goliath	metamitron	3.996	0.11	5.0		2.0	0.4	0,05	0.05	1	0,00221
	Glyfonova 450 Plus	glyphosate	3.467	0.10	9.6		1.3	0.1	0,025	0.05	1	0,00033
	Skater	metamitron	3.415	0.10	5.0		1.0	0.2	0,05	0.05	1	0,00097
	Herbasan	phenmedipham	3.044	0.08	6.0		3.5	0.6	0,02	0.15	1	0,00098
	SweDane Metafol 700 SC	metamitron	2.375	0.07	5.0		2.2	0.4	0,05	0.05	1	0,00144
	Kontakt 320 SC	phenmedipham	2.332	0.07	3.0		1.6	0.5	0,02	0.15	1	0,00068
	Glyfonova 360 SL	glyphosate	2.023	0.06	12.0		1.8	0.1	0,025	0.05	1	0,00021
	Cyperb 100	cypermethrin	619	0.02		0.3	0.2	0.7		1	1	0,01274
	Sluxx HP	iron III phosphate	614	0.02			2.8				1	
	Pirimor G	pirimicarb	343	0.01	1.0		0.2	0.2	0,01	0.01	1	0,00001
	Karate 2.5 WG	lambda cyhalotrin	211	0.01	1.2		0.2	0.1	0,01	0.02	1	0,00001
	Cythrion 500	cypermethrin	177	0.00		0.1	0.0	1.0		1	1	0,00485
	Sluxx	iron III phosphate	52	0.00			1.3				1	
Spinach												
	Signum WG	boscalid	134	1.00	3.0		1.6	0.5	1,1	5	0,27	0,59936
	Signum WG	pyraclostrobin	134	1.00	3.0		1.6	0.5	0,05	0.5	0,27	0,02724
	Betanal	phenmedipham	50	0.38	3.0		2.7	0.9	0,01	0.3	0,27	0,00342
	Command CS	clomazone	50	0.38	0.2		0.2	1.3	0,005	0.01	0,27	0,00244
	Goltix SC 700	metamitron	33	0.25		1.0	0.8	0.8		0.1	0,27	0,01974
	Reglone	diquat	33	0.25	2.0		1.5	0.7		0.05	0,27	0,00912
	Asulox	asulam	33	0.25	2.0		1.6	0.8		0.05	0,27	0,00971
	Pirimor G	pirimicarb	32	0.24	1.5		0.3	0.2	0,056	0.06	0,27	0,00238
	Dithane NT	mancozeb	20	0.15			2.0	1.0		0.05	0,27	0,00744
	Glyfonova 360 SL	glyphosate	20	0.15	12.0		4.0	0.3	0,025	0.05	0,27	0,00124

Brussel sprouts	Opera	epoxiconazole	18	0.13	1.0	0.5	0.5	0.025	0.05	0.27		0.00169	
	Opera	pyraclostrobin	18	0.13	1.5		0.5	0.3	0.05	0.5	0.27	0.00225	
	Karate 2.5 WG	lambda cyhalotrin	13	0.10	0.8		0.6	0.8	0.05	0.5	0.27	0.00364	
	Goliath	metamitron	5	0.04		1.0	0.5	0.5		0.1	0.27	0.00187	
	Karate 2.5 WG	lambda cyhalotrin	27	1	0.8		0.4	0.5	0.02		1	0.01017	
	Movento SC 100	spirotetramat	25	0.95	1.44		1.1	0.8	0.11		1	0.08017	
	Fastac 50	alpha	15	0.56		0.45	0.4	0.9		1	1	0.52211	
		cypermethrin											
	Amistar	azoxystrobin	15	0.56	2		1.0	0.5	0.04		1		0.01123
	Command CS	clomazone	13	0.50	0.25		0.3	1.0	0.005	0.01	1		0.00248
	Cyperb 100	cypermethrin	13	0.48		0.2	0.2	1.0		1	1		0.47938
	Ortiva Top	difenoconazole	12	0.46		1	0.6	0.6		0.2	1		0.05359
	Ortiva Top	azoxystrobin	12	0.46	2.5		0.6	0.2	0.04		1		0.00429
	Steward	indoxacarb	10	0.39	0.25		0.2	1.0	0.02	0.06	1		0.00735
	Pirimor G	pirimicarb	3	0.11	0.76		0.3	0.4	0.17	0.6	1		0.00665
Signum WG	pyraclostrobin	2	0.06	3.1		1.1	0.3	0.04	0.3	1		0.00080	
Signum WG	boscalid	2	0.06	3		1.1	0.4	0.3		1		0.00621	
Stomp	pendimethalin	1	0.05	4.1		1.5	0.4	0.025		1		0.00042	
Gherkin	Aliette 80 WG	fosetyl	2	1	16		9.2	0.6	26		1	15.00987	
Signum WG	pyraclostrobin	1	0.57	3		0.3	0.1	0.17	0.5	1		0.00802	
Signum WG	boscalid	1	0.57	3		0.3	0.1	0.68		1		0.03206	

Appendix 2.3. Residue estimations in imported commodities 2013 using method 2

Crop	Source	Active Ingredient	Samples	Findings < 50% MRL	Findings 50–100% MRL and above	Highest Finding (mg/kg)	LOQ (mg/kg)	DK mean (detects)	EU avg (mg/kg)	IF (2014)	PF	CF	Residue estimate (mg/kg)	
Banana	2013	carbendazim (incl. benomyl)	52	1			0,01	0,013	0015	1	0,25	1	0,00082	
		chlorpyrifos	52	4			0,01	0,018	0018	1	0,1	1	0,00050	
		fenpropidin	52	1			0,01	0,010	0,01	1	0,1	1	0,00022	
		Myclobutanil R	52	4			0,01	0,051	0014	1	0,1	1	0,00067	
	2014 + 2013	Azoxystrobin	52	14		2	0,01	0,127	0044	1	0,04	1	0,00172	
		Buprofezin	52	1		0,5	0,01	0,050	0014	1	0,05	1,5	0,00028	
		Fenpropimorph	52	4		2	0,01	0,021	0012	1	0,33	1	0,00132	
		Imazalil	52	41		2	0,02	0,152	0102	1	0,1	1	0,01613	
		Thiabendazol	52	34		5	0,01	0,139	0113	1	0,25	1	0,02845	
		Bifenthrin	52	1		0,1	0,01		0,014	1	0,1	1	0,00028	
		EU	Fluopyram	52	0,9			0,01		0,009	1	0,1	1,1	0,00022
	Wine (red, white, rose)	2013	Biphenyl	52	1			0,01		0,01	1	0,1	1	0,00022
			Chlorothalonil	52	1,8			0,01		0,018	1	0,1	1	0,00043
			Methoxyfenozid	51	2			0,01	0,055	0,01	1	1	1	0,00651
		2014 + 2013	Prosulfocarb	51	1			0,01	0,010	0,01	1	1	1	0,00455
Thiophanat-methyl			51	1			0,01	0,039	0013	1	1	1	0,00642	
Boscalid			51	3			5-6,5	0,01	0,021	0019	1	1	1	0,00952
Carbendazim (incl. benomyl)			51	5			0.65–0.7	0,01	0,040	0014	1	1	1	0,01003
Dimethomorph			51	7			3–3.9	0,01	0,027	0012	1	1	1	0,00899
Fenhexamid			51	10			5–6.5	0,01	0,060	0024	1	1	1	0,02213
Iprovalicarb			51	3			2–2.6	0,01	0,020	0018	1	1	1	0,00901
2014	Metalaxyl (sum)	51	14			0,01	0,028	0,01	1	1	1	0,01204		
	pyrimethanil	51	1			6,5	0,04		0,021	1	1	1	0,03656	
	EU	Captan (RD)	51	1,3			0,01		0,013	1	1	1	0,00599	
	Chlorantraniliprole	51	0,9				0,01		0,009	1	0,83	1	0,00336	
	dithianon	51	5,5				0,01		0,055	1	0,04	1	0,00122	
	ethephon	51	2,9				0,05		0,029	1	1	1	0,06475	
	Fluopyram	51	0,8				0,01		0,008	1	0,15	1,1	0,00060	
Orange	2013	Folpet	51	1,8			0,05		0,018	1	0,45	1	0,01791	
		Fenpropathrin	51	1			0,01	0,070	0015	1	0,1	1	0,00016	
		Fipronil (sum)	51	1				0,02	0,016	0005	1	0,1	1	0,00005
		Metalaxyl (sum)	51	1				0,01	0,038	0012	1	0,1	1	0,00010

		Phosmet (sum)	51	1			0,01	0,040	0012	1	0,1	1	0,00010			
		Propargit* no ADI	51	1			0,04	0,170	0015	1	0,1	1	0,00044			
		Pyraclostrobin	51	2			0,01	0,060	0011	1	0,14	1	0,00036			
		Tebuconazol	51	2			0,01	0,017	0014	1	0,14	1	0,00013			
	2013 + 2014	2,4-D (sum)	51	4		1	0,03	0,095	0030	1	0,1	1	0,00091			
		Azoxystrobin	51	2		15	0,01	0,026	0015	1	0,1	1	0,00013			
		Bifenthrin	51	2		0,1	0,01	0,032	0013	1	0,1	1	0,00015			
		Chlorpyrifos	51	25		0,3	0,01	0,049	0028	1	0,1	1	0,00244			
		Cyhalothrin, lambda-	51	1		0,2	0,01	0,015	0012	1	0,25	1	0,00013			
		Dimethoat + omethoat (sum)	51			1	0,02	0,01	0,120	0011	1	0,1	1	0,00026		
		Imazalil	51	42		5	0,01	1089	0,848	1	0,08	1	0,07297			
		Imidacloprid	51	2		1	0,01	0,017	0015	1	0,31	1	0,00029			
		Phenylphenol, ortho-	51	9		1	5	0,01	1700	0,163	1	0,1	1	0,03363		
		Prochloraz (sum)	51	1		10	0,01	0,118	0033	1	0,1	1	0,00029			
		Pyriproxyfen	51	3		0,6	0,01	0,026	0014	1	0,1	1	0,00018			
		Thiabendazol	51	18		5	0,01	0,450	0331	1	0,25	1	0,04116			
		Trifloxystrobin	51	2		0,3	0,01	0,017	0011	1	0,1	1	0,00009			
	2014	Cyfluthrin (sum)	51			1	0,02	0,01	0,010	1	0,1	1	0,00002			
		Dicofol (sum)	51			1	0,02	0,01	0,010	1	0,1	1	0,00002			
		Etofenprox	51	2		1	0,01		0,012	1	0,1	1	0,00002			
		Propiconazol	51	10		6	0,01		0,015	1	0,01	1	0,00000			
		Pyrimethanil	51	4			0,04		0,068	1	0,1	1	0,00049			
	EU	biphenyl	51	1			0,01		0,010	1	0,1	1	0,00004			
		Diflubenzuron	51	1211			0,01		0,012	1	0,1	1	0,00005			
		Chlorantraniliprole	51	0,9			0,01		0,009	1	0,1	1	0,00003			
		Fenbutatin oxide	51	2,2			0,01		0,022	1	0,1	1	0,00013			
		Fenpyroximate	51	1,2			0,01		0,012	1	0,1	1	0,00005			
		Pyrethrins	51	6,9			0,01		0,069	1	0,1	1	0,00106			
	Mandarine + clementine	2013	Spinosad (sum)	59	1		0,01	0,035	0011	1	0,1	1	0,00009			
			Prochloraz (sum)	59	1		0,01	0,050	0036	1	0,1	1	0,00019			
			Metalaxyl (sum)	59	1		0,01	0,017	0,01	1	0,1	1	0,00006			
			Etofenprox	59	3		0,01	0,100	0014	1	0,1	1	0,00055			
			Chlorpyrifos-methyl	59	1		0,01	0,050	0014	1	0,1	1	0,00013			
			Carbendazim (incl. benomyl)	59	1		0,01	0,014	0011	1	0,25	1	0,00014			
		2013 + 2014	2,4-D (sum)	59	3		1	0,03	0,042	0044	1	0,1	1	0,00059		
			Pyriproxyfen	59	6		0,6	0,01	0,017	0013	1	0,1	1	0,00021		
			Chlorpyrifos	59	36		2	0,01	0,100	0051	1	0,1	1	0,00622		
			Cyhalothrin, lambda-	59	3		0,2	0,01	0,012	0011	1	0,25	1	0,00023		
			Hexythiazox	59	3		1	0,01	0,019	0012	1	0,1	1	0,00013		
			Imazalil	59	46		1	5	0,01	1049	0,934	1	0,07	1	0,06040	
			Thiabendazol	59	12		1	5	0,01	0,457	0283	1	0,25	1	0,02719	
			Phenylphenol, ortho-	59	2		5	0,01	0,280	0083	1	0,1	1	0,00119		
			Tebufenpyrad	59	2		0,5	0,01	0,015	0012	1	0,1	1	0,00008		
			Propiconazol	59	1		6	0,01	0,390	0014	1	0,1	1	0,00070		
			Pyrimethanil	59	3		10	0,04	0,357	0142	1	0,1	1	0,00345		
		2014	Fenvalerat(sum)	59	1		0,02	0,01		0,011	1	0,1	1	0,00003		
			Boscalid	59	4		2	0,01		0,011	1	0,1	1	0,00003		
			Acetamiprid	59	1		1	0,01		0,01	1	0,1	1	0,00003		
			Phosmet (sum)	59	1		0,5	0,01		0,011	1	0,1	1	0,00003		
			Flutriafol	59	1		2	0,01		0,011	1	0,1	1	0,00003		
		EU	Abamectin		0,9			0,01		0,009	1	0,1	1	0,00004		
			dodine		1,9			0,01		0,019	1	0,1	1	0,00012		
			Fenbutatin oxide		2,8			0,01		0,028	1	0,1	1	0,00021		
			Terbuthylazin		1,3			0,01		0,013	1	0,1	1	0,00007		
		Peach + nectarine	2013	propiconazol	50	1		0,2	0,01	0,010	0013	1	1	3	0,00443	
				Phosmet (sum)	50	1		1	0,01	0,030	0011	1	1	1	0,00168	
			2013 + 2013	Acetamiprid	50	5		1	0,7	0,01	0,040	0,01	1	1	1	0,00572
				Boscalid	50	12		3	0,01	0,064	0019	1	1	1	0,01725	
				Carbendazim (incl. benomyl)	50	1		0,2	0,01	0,012	0012	1	1	1	0,00142	
				Chlorpyrifos	50	1		0,2	0,01	0,010	0016	1	1	1	0,00177	
				Cyhalothrin, lambda-	50	2		0,2	0,01	0,040	0013	1	1	1	0,00288	
				Cypermethrin (sum)	50	1		2	0,01	0,013	0024	1	1	1	0,00262	
				Cyproconazol	50	1		0,1	0,01	0,011	0013	1	1	1	0,00150	

		Cyprodinil	50	3		2	0,01	0,037	0022	1	1	1	0,00438
		Difenoconazol	50	2		0,5	0,01	0,014	0015	1	1	1	0,00201
		Dithiocarbamater	50	3		2	0,04	0,117	0079	1	1	1	0,03804
		Etofenprox	50	5		0,6	0,01	0,056	0015	1	1	1	0,00705
		Fenbuconazole	50	1		0,5	0,01	0,020	0013	1	1	1	0,00168
		Fenhexamid	50	2		5	0,01	0,031	0016	1	1	1	0,00281
		Fludioxonil	50	1			0,01	0,012	0044	1	1	1	0,00456
		Imidacloprid	50	1		0,5	0,01	0,017	0012	1	1	1	0,00152
		Iprodion	50	5	1	3	0,04	0,967	0096	1	1	1	0,15372
		Pyraclostrobin	50	2		0,3	0,01	0,022	0,01	1	1	1	0,00186
		Pyrimethanil	50	1		10	0,04	0,190	0018	1	1	1	0,01087
		Spinosad (sum)	50	14		1	0,01	0,041	0014	1	1	1	0,01298
		Tebuconazol	50	14	1	0,6–1	0,01	0,105	0028	1	1	1	0,03413
		Trifloxystrobin	50	3		1	0,01	0,018	0011	1	1	1	0,00218
		Triflumuron	50	1		1	0,01	0,060	0013	1	1	1	0,00248
2014		Cyfluthrin (sum)	50	1		0,3	0,01		0,015	1	1	1	0,00147
		Deltamethrin	50	3		0,1	0,01		0,015	1	1	1,25	0,00184
		Penconazol	50	1		0,1	0,01		0,011	1	1	1	0,00108
		Thiacloprid	50	1		0,3	0,01		0,011	1	1	1	0,00108
		Thiophanat-methyl	50	2		2	0,01		0,015	1	1	1	0,00147
EU		Amitraz	50	1,9			0,01		0,019	1	1	1	0,00259
		Captan	50	3			0,01		0,03	1	1	1	0,00475
		Chlorantraniliprole	50	0,9			0,01		0,009	1	1	1	0,00105
		Chlorothalonil (RD)	50	1,6			0,01		0,016	1	1	1	0,00208
		Clothianidin	50	1			0,01		0,01	1	1	1	0,00118
		dithianon	50	5			0,01		0,05	1	1	1	0,00991
		dodine	50	2			0,01		0,02	1	1	1	0,00276
		ethephon	50	1,9			0,05		0,019	1	1	1	0,01005
		Ethirimol	50	0,9			0,01		0,009	1	1	1	0,00105
		Fenpyroximate	50	1,1			0,01		0,011	1	1	1	0,00132
		Fenbutatin oxide	50	1,3			0,01		0,013	1	1	1	0,00162
		Fluopyram	50	0,9			0,01		0,009	1	1	1,1	0,00115
		Folpet	50	1,2			0,05		0,012	1	1	1	0,00618
		Pyrethrins	50	5,6			0,02		0,056	1	1	1	0,01728
Table grapes	2013	Carbendazim (incl. benomyl)	49	3		0,3	0,01	0,016	0011	1	1	1	0,00223
		Cyazofamid	49	2		0,5	0,01	0,027	0,010596	1	1	1	0,00228
		Etofenprox	49	1		5	0,01	0,050	0011	1	1	1	0,00225
		Methoxyfenozid	49	1		1	0,01	0,180	0017	1	1	1	0,00557
		Propamocarb (sum)	49	1		0,1	0,01	0,080	0017	1	1	1	0,00353
		Thiamethoxam (sum)	49	1		0,5	0,01	0,018	0,01	1	1	1	0,00148
		Thiophanat-methyl	49	2		0,1	0,01	0,026	0011	1	1	1	0,00229
	2013 + 2014	Boscalid	49	7		5	0,01	0,316	0058	1	1	1	0,05161
		Buprofezin	49	1		1	0,01	0,018	0011	1	1	1	0,00159
		Chlorpyrifos	49	1		0,5	0,01	0,015	0015	1	1	1	0,00198
		Cyprodinil	49	4		5	0,01	0,150	0036	1	1	1	0,01626
		Dimethomorph	49	3		3	0,01	0,213	0029	1	1	1	0,01629
		Dithiocarbamater	41	3		5	0,04	0,103	0079	1	1	1	0,04154
		Famoxadon	49	3		2	0,01	0,015	0013	1	1	1	0,00237
		Fenhexamid	49	10		5	0,01	0,263	0089	1	1	1	0,06361
		Fludioxonil	49	3		5	0,01	0,105	0027	1	1	1	0,00944
		Imidacloprid	49	3		1	0,01	0,024	0018	1	1	1	0,00350
		Iprodion	49	8		10	0,04	0,311	0046	1	1	1	0,07132
		Metalaxyl (sum)	49	1		2	0,01	0,190	0015	1	1	1	0,00555
		Myclobutanil R	49	4		1	0,01	0,052	0016	1	1	1	0,00605
		Penconazol	49	2		0,2	0,01	0,032	0014	1	1	1	0,00285
		Proquinazid	49	1		0,5	0,01	0,020	0,02	1	1	1	0,00264
		Pyraclostrobin	49	3		1	0,01	0,017	0012	1	1	1	0,00238
		Pyrimethanil	49	4		5	0,04	0,308	0051	1	1	1	0,04783
		Quinoxifen	49	2		1	0,01	0,011	0,01	1	1	1	0,00156
		Spinosad (sum)	49	1		0,5	0,01	0,080	0012	1	1	1	0,00297
		Spiroxamin	49	4		1	0,01	0,068	0022	1	1	1	0,00800
		Tebuconazol	49	3		2	0,01	0,033	0017	1	1	1	0,00389
		Trifloxystrobin	49	4		5	0,01	0,078	0015	1	1	1,2	0,00962
2014		Chlormequat	49	3		0,05	0,01		0,012	1	1	1	0,00134
		Cyhalothrin, lambda-	49	1		0,2	0,01		0,012	1	1	1	0,00134

		Azoxystrobin	49	11		2	0,01		0,023	1	1	1	0,00256
		Difenoconazol	49	1		0,5	0,01		0,014	1	1	1	0,00156
		Flusilazol	49	1	1	0,05	0,017		0,01	1	1	1	0,00189
		Iprovalicarb	49	2		2	0,01		0,01	1	1	1	0,00111
		Mandipropamid	49	3		2	0,01		0,012	1	1	1	0,00134
		Triadimenol-	49	1		2	0,01		0,011	1	1	1	0,00123
		Triadimefon (sum)											
		Methiocarb (sum)	49	1		0,3	0,01		0,009	1	1	1	0,00100
EU		Abamectin		0,9			0,01		0,009	1	1	1	0,00117
		Captan		1,2			0,01		0,012	1	1	1	0,00163
		Chlorantraniliprole		1			0,01		0,01	1	1	1	0,00132
		Clothianidin		1			0,01		0,01	1	1	1	0,00132
		dithianon		2,4			0,01		0,024	1	1	1	0,00385
		dodine		1,5			0,01		0,015	1	1	1	0,00213
		ethephon		6,2			0,05		0,062	1	1	1	0,04239
		ethirimol		1			0,01		0,01	1	1	1	0,00132
		Fenbutatin oxide		2,8			0,01		0,028	1	1	1	0,00472
		Fenpyroximate		1			0,01		0,01	1	1	1	0,00132
		Fluopyram		4,1			0,01		0,041	1	1	1,1	0,00880
Kiwi	2013	Azoxystrobin	51	1		0,05	0,01	0,013	0,010059	1	1	1	0,00239
	2013 + 2014	Etofenprox	51	1		1	0,01	0,030	0,010392	1	1	1	0,00279
		Fenhexamid	51	9		10	0,01	1542	0,280392	1	1	1	0,33155
		Fludioxonil	51	5		20	0,01	0,631	0,070882	1	1	1	0,07688
		Iprodion	51	3		5	0,04	0,427	0,062745	1	1	1	0,07827
	2014	Pyraclostrobin	51		1	0,02	0,01	0,013	0,01	1	1	1	0,00212
		Thiabendazol	51		1	0,05	0,01	0,028	0,01	1	1	1	0,00212
Peppers	2013	Chlorpyrifos	52	1		0,5	0,01	0,060	0,013	1	1	1	0,00241
		Dithiocarbamater	42	1		5	0,04	0,050	0,12	1	1	1	0,04741
		Hexythiazox	52	1		0,5	0,01	0,050	0,013	1	1	1	0,00222
		Pyrimethanil	52	1		2	0,04	0,090	0,015	1	1	1	0,00754
		Trifloxystrobin	52	2		0,3	0,01	0,025	0,014	1	1	1,2	0,00278
		Thiamethoxam (sum)	52	1		0,7	0,01	0,020	0,013	1	1	1	0,00164
	2013 + 2014	Acetamiprid	52	4		0,3	0,01	0,026	0,013	1	1	1	0,00322
		Azoxystrobin	52	3		3	0,01	0,018	0,017	1	1	1	0,00270
		Boscalid	52	1		3	0,01	0,080	0,024	1	1	1	0,00386
		Cyprodinil	52	3		1	0,01	0,061	0,013	1	1	1	0,00480
		Fludioxonil	52	6		2	0,01	0,072	0,015	1	1	1	0,00972
		Flutriafol	52	7		1	0,01	0,052	0,018	1	1	1	0,00874
		Imidacloprid	52	3		1	0,01	0,049	0,015	1	1	1	0,00430
		Myclobutanil R	52	4		0,5	0,01	0,026	0,012	1	1	1	0,00312
		Pirimicarb (sum)	52	1		1	0,01	0,070	0,011	1	1	1,4	0,00337
		Propamocarb (sum)	52	4		10	0,01	0,110	0,018	1	1	1	0,01016
		Pymetrozin	52	3			0,01	0,033	0,012	1	1	1	0,00305
		Pyriproxyfen	52	1		1	0,01	0,070	0,013	1	1	1	0,00260
		Triadimenol-	52	2		1	0,01	0,055	0,015	1	1	1	0,00357
		Triadimefon (sum)											
	2014	Cypermethrin (sum)	52	1		0,5	0,01		0,022	1	1	1	0,00213
		Deltamethrin	52	1		0,2	0,01		0,015	1	1	1,25	0,00181
		Fenhexamid	52	3		2	0,01		0,016	1	1	1	0,00155
		Pirimiphos-methyl	52	1		1	0,01		0,012	1	1	1	0,00116
		Procymidon	52		1	0,01	0,01		0,017	1	1	1	0,00165
		Pyraclostrobin	52	2		0,5	0,01		0,011	1	1	1	0,00106
		Tebuconazol	52	3		0,5	0,01		0,015	1	1	1	0,00145
EU		Abamectin		1,4			0,01		0,014	1	1	1	0,00173
		Chlorantraniliprole		1,1			0,01		0,011	1	1	1	0,00130
		Chlorothalonil (RD)		1,8			0,01		0,018	1	1	1	0,00236
		Clothianidin		1,2			0,01		0,012	1	1	1	0,00144
		Diflubenzuron		1218			0,01		0,01218	1	1	1	0,00146
		Dodine		1,2			0,01		0,012	1	1	1	0,00144
		Ethephon		4,6			0,01		0,046	1	1	1	0,00852
		Ethirimol		0,9			0,01		0,009	1	1	1	0,00103
		Fenpyroximate		1,1			0,01		0,011	1	1	1	0,00130
		Flubendiamide		1,1			0,01		0,011	1	1	1	0,00130
		Fluopyram		1			0,01		0,01	1	1	1,1	0,00128
		Folpet		1,3			0,01		0,013	1	1	1	0,00158
		Pyrethrins		9,3			0,01		0,093	1	1	1	0,02563

Cucumber	2013	spiromesifen	1,2		0,01		0,012	1	1	1	0,00144			
		Acetamiprid	25	1	0,3	0,01	0,042	0,01	0,48	1	1	0,00172		
		Cyromazin	25	1	1	0,04	0,140	0043	0,48	1	1	0,01834		
		Hexythiazox	25	1	0,5	0,01	0,019	0012	0,48	1	1	0,00146		
		Imidacloprid	25	1	1	0,01	0,022	0012	0,48	1	1	0,00151		
		Iprodion	25	1	2	0,04	0,080	0019	0,48	1	1	0,00845		
		Propoxur	25	1	0,05	0,01	0,013	0,01	0,48	1	1	0,00116		
		Pyrimethanil	25	1	1	0,04	0,115	0017	0,48	1	1	0,00840		
		2013 + 2014	Azoxystrobin	25	1	1	0,01	0,0133	0,017	0,48	1	1	0,00180	
			Boscalid	25	1	3	0,01	0,016	0013	0,48	1	1	0,00148	
			Cyprodinil	25	4	0,5	0,01	0,056	0016	0,48	1	1	0,00578	
			Dimethomorph	25	1	0,5–1	0,01	0,019	0012	0,48	1	1	0,00146	
			Dithiocarbamate	25	3	2	0,04	0,143	0084	0,48	1	1	0,03884	
			Fludioxonil	25	3	1	0,01	0,021	0014	0,48	1	1	0,00247	
	Metalaxyl (sum)		25	2	0,5	0,01	0,016	0013	0,48	1	1	0,00180		
	Myclobutanil R		25	1	0,1	0,01	0,0120	0,013	0,48	1	1	0,00141		
	Propamocarb (sum)		25	12	10	0,01	0,151	0115	0,48	1	1	0,04536		
	Pymetrozin		25	4	0,5	0,01	0,051	0012	0,48	1	1	0,00500		
	2014	Thiacloprid	25	1	0,3	0,01		0,012	0,48	1	1	0,00109		
		EU	Chlorantraniliprole		0,9		0,01		0,009	0,48	1	1	0,00097	
			Chlorothalonil		2837		0,01		0,028	0,48	1	1	0,00412	
			Ethirimol		0,900		0,01		0,009	0,48	1	1	0,00097	
			Fenpyroximate		1099		0,01		0,011	0,48	1	1	0,00123	
			Flubendiamide		0,978		0,01		0,010	0,48	1	1	0,00107	
			Folpet		1173		0,01		0,012	0,48	1	1	0,00133	
			spiromesifen		1		0,01		0,010	0,48	1	1	0,00110	
			Cauliflower	2014	Imidacloprid	8	1	0,5	0,01	0,018	0011	0,62	1	1
Broccoli				2013	Chlorpyrifos	1	1	0,05	0,01		0,013	0,63	1	1
	2014		Boscalid	1	1	5	0,01		0,016	0,63	1	1	0,01008	
		Cyhalothrin, lambda-	1	1	0,1	0,01		0,011	0,63	1	1	0,00693		
		Cypermethrin (sum)	1	1	1	0,01		0,021	0,63	1	1	0,01323		
		Imidacloprid	1	2	0,5	0,01		0,01	0,63	1	1	0,00630		
	EU	Chlorothalonil (RD)				0,01		0,018	0,63	1	1	0,01134		
	Dodine				0,01		0,01	0,63	1	1	0,00630			
	Fenbutatin oxide				0,01		0,01	0,63	1	1	0,00630			
Plum	2013	Carbendazim (incl. benomyl)	42	3	0,5	0,01	0,015	0,010357	0,857	1	1	0,00202		
		Cyprodinil	42	2	2	0,01	0,015	0,010238	0,857	1	1	0,00170		
		Etofenprox	42	6	1	0,01	0,027	0,012357	0,857	1	1	0,00456		
		Fenhexamid	42	1	1	0,01	0,024	0,010333	0,857	1	1	0,00159		
		Imidacloprid	42	1	0,3	0,01	0,012	0,010048	0,857	1	1	0,00131		
		2013 + 2014	Boscalid	42	9	3	0,01	0,045	0,017558	0,857	1	1	0,01018	
		Fludioxonil	42	2	0,5–5	0,01	0,013	0,010143	0,857	1	1	0,00161		
		Iprodion	42	13	3	0,04	0,555	0,199524	0,857	1	1	0,23222		
		Pyraclostrobin	42	3	0,8	0,01	0,013	0,010214	0,857	1	1	0,00188		
		Pyrimethanil	42	2	3	0,04	0,210	0,048095	0,857	1	1	0,02903		
		Tebuconazol	42	10	1	0,01	0,068	0,023857	0,857	1	1	0,01646		
	2014	Azoxystrobin	42	1	2	0,01	0,04	0,011033	0,857	1	1	0,00164		
		Fenbuconazole	42	1	0,5	0,01	0,01	0,010033	0,857	1	1	0,00149		
	Melon	2013	Buprofezin	44	4	1	0,01	0,025	0,011318	1	0,1	1	0,00041	
Dimethomorph			44	1	1	0,01	0,120	0,0125	1	0,1	1	0,00048		
Fludioxonil			44	1	0,05	0,01	0,013	0,010068	1	0,1	1	0,00020		
Flutriafol			44	2	0,3	0,01	0,015	0,010227	1	0,1	1	0,00024		
Metalaxyl (sum)			44	1	0,2	0,01	0,030	0,010455	1	0,1	1	0,00024		
Methoxyfenozyd			44	1	0,02	0,01	0,016	0,010136	1	0,1	1	0,00021		
Tebuconazol			44	1	0,2	0,01	0,011	0,010023	1	0,1	1	0,00019		
Thiamethoxam (sum)			44	1	0,2	0,01	0,014	0,010091	1	0,1	1	0,00020		
Triadimenol-			44	1	0,2	0,01	0,050	0,010909	1	0,1	1	0,00030		
Triadimefon (sum)														
2013 + 2014			Azoxystrobin	44	3	1	0,01	0,017	0,010455	1	0,1	1	0,00029	
			Boscalid	44	3	3	0,01	0,024	0,010955	1	0,1	1	0,00035	
			Carbendazim (incl. benomyl)	44	3	0,1	0,01	0,093	0,015682	1	0,25	1	0,00225	
			Cyromazin	44	3	0,3	0,04	0,053	0,040909	1	0,61	1	0,01895	
	Imazalil	44	16	2	0,02	0,240	0,099955	1	0,1	1	0,01207			
	Imidacloprid	44	8	0,5	0,01	0,021	0012	1	0,31	1	0,00181			

		Propamocarb (sum)	44	2		5	0,01	0,109	0,0145	1	0,1	1	0,00074
		Thiacloprid	44	1		0,2	0,01	0,011	0,010023	1	0,1	1	0,00019
		Thiophanat-methyl	44	2		0,3	0,01	0,012	0,010091	1	0,25	1	0,00056
	2014	Cypermethrin (sum)	44	1		0,2	0,01	0,02	0,010324	1	0,1	1	0,00022
		Dicofol (sum)	44	1		0,2	0,01	0,05	0,011059	1	0,1	1	0,00024
		Tetradifon	44	1		0,01	0,01	0,02	0,010235	1	0,1	1	0,00022
		Bifenthrin	44	2		0,05	0,01	0,02	0,010353	1	0,1	1	0,00022
		Dithiocarbamater	44	1		1,5	0,04	0,10	0,041765	1	0,1	1	0,00362
Watermelon	2013	Acetamiprid	7	1		0,2	0,01	0,01	0,010143	1	0,1	1	0,00101
		Carbendazim (incl. benomyl)	7	1		0,1	0,01	0,01	0,010143	1	0,25	1	0,00254
		Dithiocarbamater	2	1		1,5	0,04	0,12	0,08	1	0,1	1	0,00800
		Imazalil	7	1		0,05	0,01	0,01	0,010143	1	0,1	1	0,00101
		Myclobutanil R	7	1		0,2	0,01	0,02	0,011	1	0,1	1	0,0011
	2014	Imidacloprid	7	1		0,2	0,01	0,00	0,01	1	0,31	1	0,00310
Leek	2013	Boscalid	11	1		5	0,01		0,017	0688	1	1	0,01169
		Famoxadon	11	1		2	0,01		0,019	0688	1	1	0,01306
		Pyraclostrobin	11	1		0,7	0,01		0,01	0,688	1	1	0,00688
	2014	Difenoconazol	11	1		0,5	0,01		0,017	0688	1	1	0,01169
		Tebuconazol	11	3		1	0,01		0,016	0688	1	1	0,01100
	EU	Abamectin		0,9			0,002		0,009	0688	1	1	0,00619
		Chlorothalonil (RD)		1,6			0,01		0,016	0688	1	1	0,01100
		Fenbutatin oxide		1,2			Not found		0,012	0688	1	1	0,00825
Avocado (see 2014 data)													
Appendix 2.4													
Courgette/squash	2013	Aldrin + dieldrin (sum)	4		1	0,05	0,01	0,05	0,0225	0,688	1	1	0,01547
		Boscalid	4	1		3	0,01	0,012	0,0105	0,688	1	1	0,00722
	2014	Dithiocarbamater	4	1		2	0,04	0	0,04	0,688	1	1	0,02750
		Imazalil	4	1		0,2	0,01	0	0,01	0,688	1	1	0,00688
		Imidacloprid	4	4		1	0,01	0	0,01	0,688	1	1	0,00688
		Propamocarb (sum)	4	2		10	0,01	0	0,01	0,688	1	1	0,00688
		Thiacloprid	4	1		0,3	0,01	0	0,01	0,688	1	1	0,00688
Pineapple (see 2014 data)													
Appendix 2.4													
Carrot	2013 + 2014	Azoxystrobin	15	4		1	0,01	0,0205	0,014	0306	1	1	0,00307
		Boscalid	15	4		2	0,01	0,022	0027	0,306	1	1	0,00449
		Difenoconazol	15	2		0,35	0,01	0,021	0016	0,306	1	1	0,00243
		Tebuconazol	15	1		0,5	0,01	0,024	0016	0,306	1	1	0,00209
	2014	Aldrin + dieldrin (sum)	15		1	0,01	0,01		0,009	0306	1	1	0,00090
		Chlorpyrifos	15	1		0,1	0,01		0,013	0306	1	1	0,00130
		DDT (sum)	15		1	0,05	0,01		0,015	0306	1	1	0,00150
		Linuron	15	2		0,2	0,021		0,017	0306	1	1	0,00356
	EU	Clothianidin	15	1,1			0,01		0,011	0306	1	1	0,00134
		Fluopyram	15	0,829			0,01		0,0083	0,306	1	1,1	0,00106
		Diflubenzuron (RD)	15	1,1			0,01		0,011	0306	1	1	0,00134
		Folpet	15	1,3			0,01		0,013	0306	1	1	0,00164
		Tefluthrin	15	1,1			0,01		0,011	0306	1	1	0,00134
Raspberries + blackberries	2013	Azoxystrobin	24	1		5	0,01	0,0230	0,010542	1	1	1	0,00383
		Bifenthrin	24	3		1	0,01	0,1433	0,026667	1	1	1	0,02518
		Hexythiazox	24	2		0,5	0,01	0,1165	0,018875	1	1	1	0,01485
		Iprodion	24	2		10	0,04	0,4850	0,077083	1	1	1	0,12440
		Methidathion	24	1		0,02	0,01	0,0190	0,010375	1	1	1	0,00362
	2013 + 2014	Boscalid	24	1		10	0,01	0,1300	0,015	1	1	1	0,00950
		Cypermethrin (sum)	24	3		0,5	0,01	0,0663	0,017042	1	1	1	0,01293
		Cyprodinil	24	4		10	0,01	0,0668	0,019458	1	1	1	0,01642
		Fenhexamid	24	8		10	0,01	0,1184	0,046125	1	1	1	0,05202
		Fludioxonil	24	5		5	0,01	0,0542	0,019208	1	1	1	0,01652
		Myclobutanil R	24	1		1	0,01	0,0100	0,01	1	1	1	0,00314
		Pyraclostrobin	24	1		2	0,01	0,019	0,010375	1	1	1	0,00362
		Spinosad (sum)	24	1		1,5	0,01	0,050	0,011667	1	1	1	0,00526
		Carbendazim (incl. benomyl)	24	1		0,1	0,01	0,0600	0,012083	1	1	1	0,00579
		Pyrimethanil	24	2		10	0,04	0,070	0,0425	1	1	1	0,05214
	2014	Fenazaquin	24		1	0,01	0,01	0,107	0,015105	1	1	1	0,00411
		Thiophanat-methyl	24	1		0,1	0,01	0,048	0012	1	1	1	0,00327
			24		1	0,02	0,01		0,012368	1	1	1	0,00337

		Dimethoat + omethoat (sum)												
Grapefruit	2013	Thiacloprid	24	1	3	0,01		0,011579	1	1	1	0,00315		
		Clofentezine	24	1	3	0,02	0,099	0,024158	1	1	1,1	0,01448		
		Azoxystrobin	51	6	15	0,01	0,0457	0,014196	1	0,1	1	0,00058		
		Fenbuconazole	51	4	1	0,01	0,0110	0,010078	1	0,1	1	0,00011		
		Fenpropathrin	51	1	2	0,01	0,0500	0,010784	1	0,1	1	0,00013		
		Malathion (sum)	51	1	0,02	0,01	0,0260	0,010314	1	0,1	1	0,00008		
		Trifloxystrobin	51	1	0,3	0,01	0,0380	0,010549	1	0,1	1	0,00010		
		2013 + 2014	2,4-D (sum)	51	11	1	0,03	0,1227	0,05	1	0,1	1	0,00306	
			Acetamiprid	51	2	1	0,01	0,0225	0,01049	1	0,1	1	0,00012	
			Carbendazim (incl. benomyl)	51	5	0,2	0,01	0,0410	0,013039	1	0,25	1	0,00109	
	Chlorpyrifos		51	18	0,3	0,01	0,0817	0,035314	1	0,1	1	0,00298		
	Cypermethrin (sum)		51	1	2	0,01	0,0600	0,01098	1	0,1	1	0,00015		
	Imazalil		51	44	5	0,01	1,2938	1,117592	1	0,13	1	0,14906		
	Imidacloprid		51	13	1	0,01	0,0312	0,015392	1	0,31	1	0,00259		
	Phenylphenol, ortho-		51	11	5	0,01	0,9055	0,203137	1	0,1	1	0,02008		
	Prochloraz (sum)		51	4	10	0,01	0,1875	0,023922	1	0,1	1	0,00154		
	Pyraclostrobin		51	13	1	0,01	0,0251	0,013843	1	0,14	1	0,00095		
	Beans with pods	2013	Pyridaben	51	1	0,5	0,01	0,0120	0,010039	1	0,1	1	0,00005	
			Pyrimethanil	51	2	10	0,04	0,7900	0,069412	1	0,1	1	0,00385	
			Pyriproxyfen	51	6	0,6	0,01	0,0308	0,012451	1	0,1	1	0,00040	
Thiabendazol			51	35	5	0,01	1,0097	0,696059	1	0,25	1	0,17797		
Thiophanat-methyl			51	1	6	0,01	0,0120	0,010039	1	0,25	1	0,00013		
2014			Fenvalerat(sum)	51	1	0,02	0,01	0,0170	0,01	1	0,1	1	0,00003	
			Pendimethalin	51	1	0,05	0,01	0,0100	0,01	1	0,1	1	0,00003	
			Propiconazol	51	1	6	0,01	0,0130	0,010059	1	0,1	1	0,00003	
			2013	Acetamiprid	40	1	0,06	0,01	0,019	0,01	1	1	1	0,00158
				Bifenthrin	40	1	0,5	0,01	0,025	0,012	1	1	1	0,00195
		Chlorpyrifos		40	1	0,07	0,01	0,0170	0,014	1	1	1	0,00240	
		Dithiocarbamater		40	2	1	0,04	0,225	0,084	1	1	1	0,04837	
		Imidacloprid		40	1	2	0,01	0,050	0,013	1	1	1	0,00269	
		Iprovalicarb		40	1	0,05	0,01	0,020	0,011	1	1	1	0,00172	
		Methoxyfenozid		40	1	2	0,01	0,040	0,011	1	1	1	0,00222	
Propamocarb (sum)		40		1	0,1	0,01	0,023	0,019	1	1	1	0,00267		
Thiabendazol		40		1	0,05	0,01	0,0150	0,014	1	1	1	0,00192		
Trifloxystrobin		40		1	0,5	0,01	0,040	0,01	1	1	1	0,00210		
2013 + 2014		Azoxystrobin	40	2	6	0,01	0,0405	0,015	1	1	1	0,00368		
		Boscalid	40	6	3	0,01	0,081	0,02	1	1	1	0,01441		
	Carbendazim (incl. benomyl)	40	4	0,2	0,01	0,0564	0,018	1	1	1	0,00904			
	Cyhalothrin, lambda-	40	1	0,05		0,014	0,012	1	1	1	0,00035			
	Cypermethrin (sum)	40	3	0,7	0,01	0,107	0,013	1	1	1	0,01216			
	Cyprodinil	40	3	2	0,01	0,019	0,014	1	1	1	0,00297			
	Iprodion	40	3	5	0,04	0,063	0,013	1	1	1	0,01049			
	2014	Difenoconazol	40	3	1	0,01		0,013	1	1	1	0,00144		
		Dimethoat + omethoat (sum)	40		1	0,02	0,01	0,014	1	1	1	0,00155		
		Ethoprophos	40		1	0,02	0,01	0,010024	1	1	1	0,00111		
Fludioxonil		40		1	1	0,01	0,011	1	1	1	0,00122			
Spinosad (sum)		40	1	0,5	0,01		0,024	1	1	1	0,00265			
Thiophanat-methyl		40	1	0,1	0,01		0,012	1	1	1	0,00133			
EU		Abamectin	40	0,9		0,01		0,009	1	1	1	0,00120		
		Amitraz	40	1		0,01		0,01	1	1	1	0,00135		
		Captan (RD)	40	2,4		0,01		0,024	1	1	1	0,00409		
		Chlorantraniliprole	40	1		0,01		0,01	1	1	1	0,00135		
	Chlorothalonil	40	1764		0,01		0,0176	1	1	1	0,00273			
	Clothianidin	40	1		0,01		0,01	1	1	1	0,00135			
	Flubendiamide	40	1,1		0,01		0,011	1	1	1	0,00152			
	Fluopyram	40	0,9		0,01		0,009	1	1	1	0,00120			
	Folpet	40	2,4		0,05		0,024	1	1	1	0,01470			
	Spiromesifen	40	1		0,01		0,01	1	1	1	0,00135			
Peas without pods	2013	Carbendazim (incl. benomyl)	3	1	0,1	0,01	0,023	0,375	1	1	0,008625			
		Cyprodinil	3	1	0,1	0,01	0,021	0,375	1	1	0,007875			

		Fludioxonil	3	1		0,05	0,01		0,021	0375	1	1	0,007875	
		Thiophanat-methyl	3	1		0,1	0,01		0,022	0375	1	1	0,00825	
	2013 + 2014	Boscalid	3	1		3	0,01		0,075	0375	1	1	0,028125	
	2014	Boscalid	8	5		3	0,01		0,075	0375	1	1	0,028125	
	EU	Chlorothalonil							0,01471	0,375	1	1	0,0055173	
Strawberries	2013	Chlorpyrifos	32	1		0,2	0,01	0,0170	0,011	0,37	1	1	0,00037	
		Clofentezine	32	2		2	0,02	0,080	0018	0,368	1	1,1	0,00266	
		Dinocap (sum)	32	1	1	0,05	0,01	0,133	0,017656	0,368	1	1	0,00333	
		Flutriafol	32	2		0,5	0,01	0,040	0013	0,368	1	1	0,00112	
		Methiocarb (sum)	32	2		1	0,01	0,026	0,01	0,368	1	1	0,00075	
		Procymidon	32		2	0,015	0,01	0,015	0015	0,368	1	1	0,00058	
		Tebuconazole	32	1		0,5	0,01	0,060	0011	0,368	1	1	0,00087	
		2013 + 2014	Azoxystrobin	32	3		10	0,01	0,1067	0,026	0368	1	1	0,00410
			Boscalid	32	9		10	0,01	0,323	0,09	0,368	1	1	0,03484
			Carbendazim (incl. benomyl)	32	3	1	0,1	0,01	0,0505	0,012	0368	1	1	0,00252
			Cyhalothrin, lambda-	32	1		0,5		0,022	0012	0,368	1	1	0,00025
			Cyprodinil	32	10		5	0,01	0,281	0064	0,368	1	1	0,03334
			Dithiocarbamate	32	1		10	0,04	0,130	0073	0,368	1	1	0,00623
			Fenhexamid	32	8		5	0,01	0,256	0102	0,368	1	1	0,02515
			Fludioxonil	32	10		3	0,01	0,236	0047	0,368	1	1	0,02789
			Hexythiazox	32	1		0,5	0,01	0,130	0013	0,368	1	1	0,00170
			Iprodion	32	1		15	0,04	0,090	0041	0,368	1	1	0,00369
			Kresoxim-methyl	32	1		1	0,04	0,040	0015	0,368	1	1,4	0,00201
			Mepanipyrim (sum)	32	2		2	0,01	0,056	0,03	0,368	1	1	0,00176
			Metalaxyl (sum)	32	1		0,5	0,01	0,015	0011	0,368	1	1	0,00035
			Myclobutanil R	32	4		1	0,01	0,0615	0,017	0368	1	1	0,00310
			Penconazol	32	1		0,5	0,01	0,060	0014	0,368	1	1	0,00092
			Pyraclostrobin	32	5		1,25	0,01	0,118	0022	0,368	1	1	0,00714
			Quinoxifen	32	1		0,3	0,01	0,040	0011	0,368	1	1	0,00064
			Thiacloprid	32	4		1	0,01	0,059	0019	0,368	1	1	0,00302
			Thiophanat-methyl	32	2		0,1	0,01	0,015	0011	0,368	1	1	0,00052
			Triadimenol-	32	1		0,5	0,01	0,039	0015	0,368	1	1	0,00069
			Triadimefon (sum)											
			Trifloxystrobin	32	5		0,5	0,01	0,062	0018	0,368	1	1,2	0,00465
		2014	Acrinathrin	32		1	0,2	0,01		0,019	0368	1	1	0,00031
			Bupirimat	32	3		1	0,01		0,028	0368	1	1	0,00045
			Dichlorvos	32		1	0,01	0,01		0,01	0,368	1	1	0,00016
		Dimethomorph	32	1		0,7	0,01		0,011	0368	1	1	0,00018	
		Pirimicarb (sum)	32	3		0,29	0,01		0,015	0368	1	1,1	0,00027	
		Pymetrozin	32	1		0,014	0,01		0,011	0368	1	1	0,00018	
		Spinosad (sum)	32	2		0,06	0,01		0,017	0368	1	1	0,00028	
		Vinclozolin (sum)	32	1		0,018	0,01		0,010258	0,368	1	1	0,00017	
	EU	Abamectin		1,4			0,01		0,014	0368	1	1	0,00045	
		Captan (RD)		2,8			0,01		0,028	0368	1	1	0,00136	
		Chlorantraniliprole		1			0,01		0,01	0,368	1	1	0,00028	
		Chlorothalonil		2133			0,01		0,02133	0,368	1	1	0,00087	
		Dodine		1,6			0,01		0,016	0368	1	1	0,00055	
		Ethirimol		1			0,01		0,01	0,368	1	1	0,00028	
		Fenbutatin oxide		1,7			0,01		0,017	0368	1	1	0,00061	
		Fenpyroximate		1101			0,01		0,01101	0,368	1	1	0,00032	
		Fluopyram		0,9			0,01		0,009	0368	0,81	1,1	0,00021	
		Folpet		2,8			0,01		0,028	0368	1	1	0,00136	
		Spiromesifen		1,1			0,01		0,011	0368	1	1	0,00032	
		Terbutylazine		1,1			0,01		0,011	0368	1	1	0,00032	
Lettuce + Lettuce iceberg	2013	Bromid	10	2	1	50	3	15,667	5,67	0,636	1	1	3,60818	
		Cyhalothrin, lambda-	35	1		0,5		0,022	0014	0,636	1	1	0,00040	
		Deltamethrin	35	1		0,5	0,01	0,130	0018	0,636	1	1,25	0,00295	
		Dimethomorph	35	3			0,01	0,277	0011	0,636	1	1	0,01544	
		Fludioxonil	35	1		15	0,01	4000	0,041	0636	1	1	0,07404	
		Iprodion	35	4		10	0,04	0,368	0117	0,636	1	1	0,03047	
		Propyzamid	35	1		1	0,01	0,029	0012	0,636	1	1	0,00091	
		Pyraclostrobin	35	3		2	0,01	0,040	0018	0,636	1	1	0,00220	
		Thiacloprid	35	1		2	0,01	0,080	0011	0,636	1	1	0,00145	
		Tolclofos-methyl	35	1		1	0,02	0,180	0017	0,636	1	1	0,00327	
		2013 + 2014	Acetamiprid	35	3		5	0,01	0,146	0015	0,636	1	1	0,00844

		Azoxystrobin	35	5	15	0,01	0,2276	0,034	0636	1	1	0,02178
		Boscalid	35	4	30	0,01	0,25	0,08	0,636	1	1	0,02074
		Cypermethrin (sum)	35	2	2	0,01	0,363	0,023	0,636	1	1	0,01615
		Cyprodinil	35	2	15	0,01	2450	0,047	0636	1	1	0,09060
		Dithiocarbamater	20	1	5	0,04	0,320	0176	0,636	1	1	0,02004
		Imidacloprid	35	5	2	0,01	0,067	0019	0,636	1	1	0,00672
		Metalaxyl (sum)	35	2	3	0,01	0,027	0012	0,636	1	1	0,00135
		Spinosad (sum)	35	1	10	0,01	0,500	0014	0,636	1	1	0,00954
		Thiamethoxam (sum)	35	3	5	0,01–0,04	0,0266667	0,017	0636	1	1	0,00200
	2014	Cyfluthrin (sum)	35	1	1	0,01		0,018	0636	1	1	0,00058
		Difenoconazol	35	2	3	0,01		0,014	0636	1	1	0,00045
		Fenhexamid	35	2	40	0,01		0,036	0636	1	1	0,00115
		Propamocarb (sum)	35	2	50	0,01		0,186	0636	1	1	0,00596
	EU	Abamectin		1,5		0,01		0,015	0636	1	1	0,00089
		Chlorantraniliprole		1,3		0,01		0,013	0636	1	1	0,00072
		Chlorothalonil (RD)		2,1		0,01		0,021	0636	1	1	0,00147
		Clothianidin		1,1		0,01		0,011	0636	1	1	0,00057
		Fluopyram		1521		0,01		0,01521	0,636	1	1,1	0,00100
		Folpet		2226		0,01		0,02226	0,636	1	1	0,00161
		Terbythilazin		1366		0,01		0,01366	0,636	1	1	0,00078
Pears	2013	Diphenylamin	31	1	10	0,01	0,017	0034	0,585	1	1	0,00258
		Methoxyfenozid	31	1	2	0,01	0,060	0012	0,585	1	1	0,00193
		Propham	31	1	0,05	0,01	0,011	0,010032	0,585	1	1	0,00087
		Propiconazol	31	1	0,05	0,01	0,015	0014	0,585	1	3	0,00364
	2013 + 2014	Acetamiprid	31	1	0,8	0,01	0,080	0,01	0,585	1	1	0,00217
		Boscalid	31	13	2	0,01	0,100	0048	0,585	1	1	0,02774
		Chlormequat	31	2	0,1	0,01	0,017	0016	0,585	1	1	0,00171
		Cyprodinil	31	14	1	0,01	0,131	0024	0,585	1	1	0,03611
		Dithiocarbamater	29	2	5	0,04	0,180	0146	0,585	1	1	0,04563
		Fludioxonil	31	14	5	0,01	0,059	0021	0,585	1	1	0,01706
		Imazalil	31	1	2	0,01	1,6500	0,045	0585	1	1	0,03412
		Pyraclostrobin	31	12	0,3	0,01	0,050	0015	0,585	1	1	0,01232
		Pyrimethanil	31	3	5	0,04	0,717	0041	0,585	1	1	0,05147
		Thiacloprid	31	5	0,3	0,01	0,055	0014	0,585	1	1	0,00616
	2014	Trifloxystrobin	31	1	0,5	0,01		0,011	0585	1	1,2	0,00088
		Triflumuron	31	1	0,5	0,01		0,011	0585	1	1	0,00073
	EU	Amitraz (RD)		2,1				0,021	0585	1	1	0,00044
		Captan (RD)		5		0,01		0,05	0,585	1	1	0,00710
		Chlorantraniliprole		1,3		0,01		0,013	0585	1	1	0,00094
		Clothianidin		1,1		0,01		0,011	0585	1	1	0,00075
		Diflubenzuron (RD)		1,3		0,01		0,013	0585	1	1	0,00094
		Dithianon		3,2		0,01		0,032	0585	1	1	0,00346
		Dodine		1,7		0,01		0,017	0585	1	1	0,00136
		Fenbuconazole		1,1		0,01		0,011	0585	1	1	0,00075
		Flubendiamide		1,1		0,01		0,011	0585	1	1	0,00075
		Folpet		5		0,05		0,05	0,585	1	1	0,02040
Apples	2013	Acetamiprid	36	3	0,8	0,01	0,038	0012	0,621	1	1	0,00355
		Cyprodinil	36	1	1	0,01	0,100	0,02	0,621	1	1	0,00434
		Dinocap (sum)	36	1	0,05	0,01	0,013	0013	0,621	1	1	0,00193
		Diphenylamin	36	6	5	0,01	0,522	0038	0,621	1	1	0,05899
		Etofenprox	36	1	1	0,01	0,034	0011	0,621	1	1	0,00203
		Fenazaquin	36	1	0,1	0,01	0,013	0,01	0,621	1	1	0,00153
		Flufenoxuron	36	1	0,5	0,01	0,016	0015	0,621	1	1	0,00224
		Iprodion	36	1	5	0,04	0,070	0024	0,621	1	1	0,01378
		Phosmet (sum)	36	1	0,2	0,01	0,018	0011	0,621	1	1	0,00175
		Pyrimethanil	36	2	5	0,025	0885	0,038	0621	1	1	0,04296
		Thiabendazol	36	1	5	0,01	0,5000	0,028	0621	1	1	0,01229
	2013 + 2014	Boscalid	36	5	2	0,01	0,059	0021	0,621	1	1	0,00780
		Carbendazim (incl. benomyl)	36	2	0,2	0,01	0,0215	0,012	0621	1	1	0,00231
		Chlorpyrifos	36	4	0,5	0,01	0,0243	0,017	0621	1	1	0,00390
		Dithiocarbamater	36	3	5	0,04	0,167	0086	0,621	1	1	0,05367
		Fludioxonil	36	3	5	0,01	0,113	0019	0,621	1	1	0,00833
		Pirimicarb (sum)	36	2	2	0,01	0,051	0014	0,621	1	1,3	0,00467
		Pyraclostrobin	33	6	0,3	0,01	0,027	0013	0,621	1	1	0,00485
		Thiacloprid	36	4	0,3	0,01	0,028	0012	0,621	1	1	0,00349

		Trifloxystrobin	36	2	0,5	0,01	0,021	0012	0,621	1	1,2	0,00273
	2014	Tebuconazol	36	1	1	0,01		0,015	0,621	1	1	0,00196
	EU	Amitraz (RD)	36	1,9		0,01		0,019	0,621	1	1	0,00311
		Captan (RD)	36	5,4		0,01		0,054	0,621	1	1	0,01210
		Chlorantraniliprole	36	1,1		0,01		0,011	0,621	1	1	0,00165
		Chlorothalonil	36	1662		0,01		0,01662	0,621	1	1	0,00265
		Clothianidin	36	1,1		0,01		0,011	0,621	1	1	0,00165
		Diflubenzuron (RD)	36	1,4		0,01		0,014	0,621	1	1	0,00217
		Dithianon	36	7,3		0,01		0,073	0,621	1	1	0,01875
		Dodine	36	3,2		0,01		0,032	0,621	1	1	0,00596
		Ethephon	36	2,9		0,01		0,029	0,621	1	1	0,00525
		Ethirimol	36	0,9		0,01		0,009	0,621	1	1	0,00132
		Fenbutatin oxide	36	2,6		0,01		0,026	0,621	1	1	0,00457
		Fenpyroximate	36	1130		0,01		0,01130	0,621	1	1	0,00170
		Folpet	36	5,4		0,01		0,054	0,621	1	1	0,01210
		Flubendiamide	36	0,998		0,01		0,00998	0,621	1	1	0,00148
		Fluopyram	36	0,886		0,01		0,00886	0,621	1	1	0,00130
		Spiromesifen	36	1,1		0,01		0,011	0,621	1	1	0,00165
Tomatoes	2013	Dimethomorph	25	1	1	0,01	0,050	0012	0,481	1	1	0,00158
		Flutriafol	25	2	0,3	0,01	0,024	0012	0,481	1	1	0,00152
		Pyriproxyfen	25	1	1	0,01	0,023	0012	0,481	1	1	0,00106
	2013 + 2014	Boscalid	25	4	3	0,01	0,054	0018	0,481	1	1	0,00504
		Cyprodinil	25	3	1	0,01	0,030	0017	0,481	1	1	0,00263
		Difenoconazol	25	1	2	0,01	0,018	0014	0,481	1	1	0,00107
		Dithiocarbamater	25	3	3	0,04	0,143	0068	0,481	1	1	0,02228
		Famoxadon	25	2	1	0,01	0,039	0012	0,481	1	1	0,00212
		Fenhexamid	25	2	1	0,01	0,013	0021	0,481	1	1	0,00158
		Fludioxonil	25	2	1	0,01	0,013	0014	0,481	1	1	0,00120
		Iprodion	25	1	5	0,04	0,080	0023	0,481	1	1	0,00628
		Propamocarb (sum)	25	3	10	0,01	0,203	0023	0,481	1	1	0,01292
		Pyrimethanil	25	1	1	0,04	0,080	0017	0,481	1	1	0,00504
		Tebuconazol	25	1	1	0,01	0,025	0015	0,481	1	1	0,00125
	2014	Acetamiprid	25	2	0,2	0,01		0,011	0,481	1	1	0,00057
		Azoxystrobin	25	1	3	0,01		0,016	0,481	1	1	0,00082
		Cyazofamid	25	1	0,2	0,01		0,010037	0,481	1	1	0,00052
		Cymoxanil	25	1	0,2	0,01		0,011	0,481	1	1	0,00057
		Cypermethrin (sum)	25	1	0,5	0,01		0,026	0,481	1	1	0,00134
		Fenamidon	25	1	0,5	0,01		0,01037	0,481	1	1,1	0,00059
		Imidacloprid	25	1	0,5	0,01		0,012	0,481	1	1	0,00062
		Mepanipyrim (sum)	25	1	0,8	0,01		0,01	0,481	1	1	0,00052
		Metalaxyl (sum)	25	1	0,2	0,01		0,011	0,481	1	1	0,00057
		Pirimicarb (sum)	25	1	1	0,01		0,010074	0,481	1	1,3	0,00067
		Pirimiphos-methyl	25	1	1	0,01		0,013	0,481	1	1	0,00067
		Pyraclostrobin	25	7	0,3	0,01		0,01	0,481	1	1	0,00052
		Pyridaben	25	1	0,3	0,01		0,013	0,481	1	1	0,00067
		Thiacloprid	25	1	0,5	0,01		0,011	0,481	1	1	0,00057
		Thiamethoxam (sum)	25	1	0,2	0,01		0,012	0,481	1	1	0,00062
		Triadimenol-	25	1	1	0,01		0,013	0,481	1	1	0,00067
		Triadimefon (sum)										
		Trifloxystrobin	25	1	0,2	0,01		0,01	0,481	1	1,2	0,00062
EU		Abamectin	25	1		0,01		0,01	0,481	1	1	0,00071
		Amitraz (RD)	25	2		0,01		0,02	0,481	1	1	0,00180
		Captan (RD)	25	2,1		0,01		0,021	0,481	1	1	0,00193
		Chlorantraniliprole	25	1,1		0,01		0,011	0,481	1	1	0,00080
		Chlorothalonil	25	2015		0,01		0,02015	0,481	1	1	0,00182
		Clothianidin	25	1,1		0,01		0,011	0,481	1	1	0,00080
		Diflubenzuron (RD)	25	1,2		0,01		0,012	0,481	1	1	0,00090
		Dodine	25	2,2		0,01		0,022	0,481	1	1	0,00206
		Ethephon	25	3,9		0,01		0,039	0,481	1	1	0,00493
		Ethirimol	25	0,9		0,01		0,009	0,481	1	1	0,00062
		Fenbutatin Oxide	25	2162		0,01		0,02162	0,481	1	1	0,00201
		Fenpyroximate	25	1069		0,01		0,01069	0,481	1	1	0,00077
		Flubendiamide	25	1102		0,01		0,01102	0,481	1	1	0,00080
		Fluopyram	25	1132		0,01		0,01132	0,481	1	1,1	0,00091
		Folpet	25	2142		0,01		0,02142	0,481	1	1	0,00199
		Pyrethrins	25	5821		0,01		0,05821	0,481	1	1	0,00952

Rice		Spiromesifen	25	1420			0,01		0,01420	0,481	1	1	0,00112
	2013	Azoxystrobin	32	1		5	0,01	0,0100	0,015	1	1	1	0,00455
	2013 + 2014	Deltamethrin	32	1		2	0,01	0,017	0,035	1	1	1,25	0,01302
		Isoprothiolan	32	2		2	0,01	0,070	0,015625	1	1	1	0,00879
		Permethrin (sum)	32	1		0,05	0,01	0,070	0,016	1	1	1	0,00671
		Tebuconazol	32	6		2	0,01	0,0829	0,016	1	1	1	0,02006
	2014	Acephat	32		1	0,01	0,06		0,058531	1	1	1	0,09922
		Bromid	17	2	1	50	3		6,74	1	1	1	6,74000
		Buprofezin	32	5		0,5	0,01		0,017	1	1	1	0,00480
		Hexyconazol	32		1	0,01	0,01		0,011	1	1	1	0,00311
		Imidacloprid	32	1		1,5	0,01		0,015	1	1	1	0,00424
		Methamidophos	32		1	0,01	0,01		0,010188	1	1	1	0,00288
		Pirimiphos-methyl	32	1		5	0,01		0,022	1	1	1	0,00622
		Propanil	32	1		0,2	0,01		0,010031	1	1	1	0,00283
		Propiconazol	32	6		0,7	0,01		0,015	1	0,43	1	0,00182
		Thiamethoxam (sum)	32	1		0,6	0,01		0,015	1	1	1	0,00424
		Tricyclazole	32	12		1	0,01	0,0497	0,024875	1	1	1	0,00703
EU	Pyrethrins	32	4,1			0,02		0,041	1	1	1	0,02842	
Aubergine (see 2014 data)													
Appendix 2.4													
Spinach	2013 + 2014	Cyhalothrin, lambda-	17	2		0,5		0,012	0,016	0,773	1	1	0,00105
		Cypermethrin (sum)	17	1		0,7	0,01	0,070	0,021	0,773	1	1	0,00511
	2014	Boscalid	17	5		30	0,01		0,056	0,773	1	1	0,00514
		Deltamethrin	17	1		0,5	0,01		0,018	0,773	1	1,25	0,00207
		Etofenprox	17	2		3	0,01		0,019	0,773	1	1	0,00175
		Imidacloprid	17	1		0,05	0,01		0,015	0,773	1	1	0,00138
		Indoxacarb (sum)	17	1		2	0,04		0,017	0,773	1	1	0,00625
		Propamocarb (sum)	17	4		35	0,01		0,094	0,773	1	1	0,00864
	EU	Biphenyl	17	0,987			0,01		0,00987	0,773	1	1	0,00135
		Chlorantraniliprole	17	1,9			0,01		0,019	0,773	1	1	0,00339
		Chlorothalonil	17	0,958			0,01		0,00958	0,773	1	1	0,00130
		Clothianidin	17	1,1			0,01		0,011	0,773	1	1	0,00156
		Dodine	17	1,7			0,01		0,017	0,773	1	1	0,00288
		Pyrethrins	17	6,8			0,02		0,068	0,773	1	1	0,03351
	Spiromesifen	17	1,1			0,01		0,011	0,773	1	1	0,00156	
	Terbutylazine	17	1,1			0,02		0,011	0,773	1	1	0,00257	
Tea (see 2014 data)													
Appendix 2.4													
Head cabbage	2013	Boscalid	4	2		5	0,01		0,011	0,364	1	1	0,00440
		Pyraclostrobin	4	1		0,2	0,01		0,009	0,364	1	1	0,00327
	2014	Propamocarb	14	1			0,01		0,022	0,36	1	1	0,00792
		Imidacloprid	14	1		0,5	0,01		0,011	0,36	1	1	0,00396
	EU	Chlorantraniliprole					0,01		0,01	0,364	1	1	0,00364
		Chlorothalonil					0,01		0,0185	0,364	1	1	0,00673
		Clothianidin					0,01		0,01	0,364	1	1	0,00364
	Fluopyram					0,01		0,009	0,364	1	1	0,00327	
Raisin	2013	Fenhexamid	5	1		28	0,01		0,011	1	1	1	0,01100
		Iprodion	5	1		56	0,04		0,058	1	1	1	0,05800
		Permethrin (sum)	5	1		0,28	0,01		0,03	1	1	1	0,03000
		Pyraclostrobin	5	1		5,6	0,01		0,0114	1	1	1	0,01140
		Quinoxifen	5	1		5,6	0,01		0,0102	1	1	1	0,01020
		Tebuconazol	5	1		11,2	0,01		0,0102	1	1	1	0,01020
		Trifloxystrobin	5	2		28	0,01	0,022	0,0148	1	1	1	0,01480
	2013 + 2014	Boscalid	5	2		28	0,01	0,025	0,016	1	1	1	0,01600
dried corn	2014	Deltamethrin	4	2		2	0,01	0	0,01	1	1	1	0,0100
		Dichlorvos	4		1	0,01	0,01	0	0,01	1	1	1	0,0100
		Malathion (sum)	4	1		8	0,01	0	0,01	1	1	1	0,0100
Champignon (DK included)	2013	Mepiquat	5	1		0,05	0,01		0,017	1	1	1	0,01700
	2014	Carbendazim (incl. benomyl)	17	1		1	0,01	0	0,01	1	1	1	0,01000
Pasta	2013	Prochloraz (sum)	17	5		3	0,01	0	0,01	1	1	1	0,01000
		Chlormequat	10	2		2	0,005	0,007	0,0053	1	1	1	0,00530
		Glyphosat	10	2			0,05	0,110	0,062	1	1	1	0,06200
		Pirimiphos-methyl	10	5			0,01	0,03	0,0206	1	1	1	0,02060
	2014	Cypermethrin (sum)	6	1		2	0,01	0	0,01	1	1	1	0,01000
		Deltamethrin	6	2		2	0,01	0,00	0,01	1	1	1	0,01000

Wheat (flour + kernels)	2013	Chlorpyrifos-methyl	55	1	0,01	0,029	0017	0,561	1	1	0,00491
		Deltamethrin	55	1	0,01	0,021	0019	0,561	1	1	0,00538
		Glyphosat	55	4	0,05	0,883	0081	0,561	1	1	0,14603
		Propham	55	1	0,01	0,010	0,01	0,561	1	1	0,00282
	2013 + 2014	Chlormequat	55	15	0,005	0,0715333	0,049	0,561	1	1	0,01760
		Mepiquat	55	1	0,01	0,040	0023	0,561	1	1	0,00666
		Tebuconazole	55	3	0,01	0,013	0014	0,561	1	1	0,00420
		Pirimiphos-methyl	55	4	0,01	0,4825	0,035	0,561	1	1	0,02920
	EU	Hexachlorocyclohexane (beta)	55	0,9	0,01		0,009	0,561	1	1	0,00244
		2014	Boscalid	55		0,01		0,011	0,561	1	1
Rye (flour and kernels)	2013	Cypermethrin	55		0,01		0,016	0,561	1	1	0,00403
		Tebuconazole	25	1	0,01	0,010	0016	0,49	1	1	0,00209
	2013 + 2014	Chlormequat	25	3	0,005	0,092	0,126	0,49	1	1	0,01287
		Mepiquat	25	1	0,01	0,050	0,03	0,49	1	1	0,00453
	EU	Ethephon	25	12,1	0,01		0,121	0,49	1	1	0,04066
		Pyrethrins	25	4,4	0,02		0,044	0,49	1	1	0,01335
Potato Post harvest treatment (Danish grown)	2013	Chlorpropam	46	2	0,06	0,01	0,041	1	1	1	0,01134

(100%
DK)

Appendix 2.4. Residue estimations in imported commodities 2014 using method 2

Crop	Source	Pesticide	Samples	Findings < 50% MRL	Findings 50–100% MRL and above MRL	Highest Finding (mg/kg)	LOQ (mg/kg)	DK mean (detects)	EU avg (mg/kg)	IF	PF	CF	Residue estimate (mg/kg)
Banana	2013	Myclobutanil R	29	0		0,000	0,01	0	0,020	1	0,1	1	0,00040
		carbendazim (incl. benomyl)	29	0		0,000	0,01	0	0,015	1	0,25	1	0,00076
		Chlorpyrifos	29	0		0,000	0,01	0	0,013	1	0,1	1	0,00027
		fenpropidin	29	0		0,000	0,01	0	0,010	1	0,1	1	0,00020
	2014 + 2013	Azoxystrobin	29	8		0,400	0,01	0,210	0057	1	0,04	1	0,00278
		Buprofezin	29	2		0,068	0,01	0,063	0018	1	0,05	1,5	0,00059
		Fenpropimorph	29	1		0,013	0,01	0,013	0010	1	0,33	1	0,00084
		Imazalil	29	26		0,600	0,02	0,191	0122	1	0,1	1	0,02211
		Thiabendazol	29	22		0,600	0,01	0,156	0111	1	0,25	1	0,03523
		Bifenthrin	29	1		0,013	0,01	0,013	0014	1	0,1	1	0,00032
Wine (red, white, rose)	2013	Methoxyfenozyd	51	0		0,000	0,01		0,011	1	1	1	0,00563
		Prosulfocarb	51	0		0,000	0,01		0,010	1	1	1	0,00525
		Thiophanat-methyl	51	0		0,000	0,01		0,012	1	1	1	0,00650
	2014 + 2013	Boscalid	51	6		0,030	0,01	0,018	0020	1	1	1	0,01260
		Carbendazim (incl. benomyl)	51	3		0,020	0,01	0,018	0012	1	1	1	0,00696
		Dimethomorph	51	3		0,050	0,01	0,025	0015	1	1	1	0,00924
		Fenhexamid	51	5		0,060	0,01	0,033	0028	1	1	1	0,01822
		Iprovalicarb	51	6		0,020	0,01	0,016	0016	1	1	1	0,01012
		Metalaxyl (sum)	51	9		0,027	0,01	0,017	0013	1	1	1	0,00960
		pyrimethanil	51	1		0,060	0,04	0,062	0031	1	1	1	0,06623
EU	Chlorantraniliprole	51	1001		0,010	0,01		0,010	1	1	1	0,00545	
	Dithianon	51	2103		0,021	0,01		0,021	1	1	1	0,01191	
	Fluopyram (RD)	51	0,998		0,010	0,01		0,010	1	1	1,1	0,00598	
	Folpet (RD)	51	3358		0,034	0,01		0,034	1	1	1	0,01984	
Orange	2013	Pyraclostrobin	56	0		0,000	0,01		0,011	1	0,14	1	0,00003
		Propargit	56	0		0,000	0,04		0,015	1	0,1	1	0,00010
		Tebuconazol	56	0		0,000	0,01		0,011	1	0,14	1	0,00003
		Phosmet (sum)	56	0		0,000	0,01		0,013	1	0,1	1	0,00002
		Metalaxyl (sum)	56	0		0,000	0,01		0,010	1	0,1	1	0,00002
		Fenpropathrin	56	0		0,000	0,01		0,013	1	0,1	1	0,00002
	2014 + 2013	Fipronil (sum)	56	0		0,000	0,01		0,005	1	0,1	1	0,00001
		2,4-D (sum)	56	1		0,069	0,03	0,069	0040	1	0,1	1	0,00033
		Azoxystrobin	56	1		0,024	0,01	0,024	0014	1	0,1	1	0,00007
		Bifenthrin	56	1		0,050	0,01	0,053	0012	1	0,1	1	0,00012
		Chlorpyrifos	56	27		0,120	0,01	0,043	0028	1	0,1	1	0,00214

		Cyhalothrin, lambda-	56	2		0,013	0,01	0,013	0012	1	0,25	1	0,00017	
		Dimethoat + omethoat (sum)	56	1		0,010	0,01	0,010	0010	1	0,1	1	0,00004	
		Imazalil	56	50		2000	0,01	0,659	0886	1	0,08	1	0,04829	
		Imidacloprid	56	2		0,015	0,01	0,013	0015	1	0,31	1	0,00023	
		Thiabendazol	56	12		1900	0,01	0,366	0201	1	0,25	1	0,02049	
		Trifloxystrobin	56	1		0,017	0,01	0,017	0011	1	0,1	1,2	0,00006	
		Pyriproxyfen	56	3		0,021	0,01	0,015	0013	1	0,1	1	0,00010	
		Phenylphenol, ortho-	56	12		2000	0,01	0,568	0137	1	0,1	1	0,01240	
		Prochloraz (sum)	56	2		0,070	0,01	0,040	0015	1	0,1	1	0,00017	
	2014	Etofenprox	56	2		0,060	0,01	0,065	0011	1	0,1	1	0,00025	
		Dicofol (sum)	56		1	0,014	0,01	0,014	0010	1	0,1	1	0,00004	
		Cyfluthrin (sum)	56		1	0,020	0,01	0,020	0012	1	0,1	1	0,00006	
		Propiconazol	56	10		0,500	0,01	0,270	0039	1	0,01	1	0,00049	
		Pyrimethanil	56	4		1600	0,04	0,561	0195	1	0,1	1	0,00538	
	EU	Chlorantraniliprole	56	0,958		0,010	0,01		0,010	1	0,1	1	0,00003	
		Fenbutatin oxide	56	1687		0,017	0,01		0,017	1	0,1	1	0,00008	
		Fenpyroximate	56	1142		0,011	0,01		0,011	1	0,1	1	0,00004	
		Amitraz	56	1616		0,016	0,01		0,016	1	0,1	1	0,00008	
		Captan	56	1167		0,012	0,01		0,012	1	0,1	1	0,00004	
		Carbosulfan	56	1286		0,013	0,01		0,013	1	0,1	1	0,00005	
		Ethephon	56	2405		0,024	0,01		0,024	1	0,1	1	0,00015	
		Pyrethrins	56	4447		0,044	0,01		0,044	1	0,1	1	0,00043	
		Chlorothalonil	56	0,957		0,010	0,01		0,010	1	0,1	1	0,00003	
	Mandarin + clementine	2013	Spinosad (sum)	52	0	0,000	0,01		0,011	1	0,1	1	0,00002	
			Prochloraz (sum)	52	0	0,000	0,01		0,034	1	0,1	1	0,00006	
			Metalaxyl (sum)	52	0	0,000	0,01		0,010	1	0,1	1	0,00002	
			Etofenprox	52	0	0,000	0,01		0,014	1	0,1	1	0,00003	
			Chlorpyrifos-methyl	52	0	0,000	0,01		0,014	1	0,1	1	0,00003	
			Carbendazim (incl. benomyl)	52	0	0,000	0,01		0,013	1	0,25	1	0,00006	
		2013 + 2014	2,4-D (sum)	52	1	0,650	0,03	0,384	0055	1	0,1	1	0,00178	
			Pyriproxyfen	52	10	0,050	0,01	0,026	0014	1	0,1	1	0,00052	
			Boscalid	52	4	0,021	0,01	0,018	0013	1	0,1	1	0,00016	
			Chlorpyrifos	52	33	0,220	0,01	0,073	0037	1	0,1	1	0,00468	
			Cyhalothrin, lambda-	52	47	0,011	0,01	0,011	0012	1	0,25	1	0,00260	
			Hexythiazox	52	2	0,015	0,01	0,014	0014	1	0,1	1	0,00008	
			Imazalil	52	52	2400	0,01	0,835	0927	1	0,07	1	0,05963	
			Thiabendazol	52	13	1200	0,01	0,437	0246	1	0,25	1	0,02844	
			Phenylphenol, ortho-	52	5	1400	0,01	1099	0,129	1	0,1	1	0,01081	
			Tebufenpyrad	52	4	0,063	0,01	0,036	0014	1	0,1	1	0,00030	
			Propiconazol	52	7	0,500	0,01	0,213	0042	1	0,1	1	0,00294	
			Pyrimethanil	52	8	1900	0,04	0,626	0167	1	0,1	1	0,01087	
		2014	Fenvalerat(sum)	52	1	0,040	0,01	0,080	0010	1	0,1	1	0,00017	
			Acetamiprid	52	1	0,031	0,01	0,031	0010	1	0,1	1	0,00008	
			Phosmet (sum)	52	1	0,050	0,01	0,046	0014	1	0,1	1	0,00011	
			Flutriafol	52	1	0,031	0,01	0,031	0014	1	0,1	1	0,00009	
		EU	Dodine	52	3,47	0,035	0,01		0,035	1	0,1	1	0,00030	
			Fenbutatin oxide	52	3,18	0,032	0,01		0,032	1	0,1	1	0,00025	
			Biphenyl	52	1,00	0,010	0,01		0,010	1	0,1	1	0,00004	
			Chlorantraniliprole	52	0,97	0,010	0,01		0,010	1	0,1	1	0,00004	
			Chlorothalonil	52	0,99	0,010	0,01		0,010	1	0,1	1	0,00004	
			Fenpyroximate	52	1,30	0,013	0,01		0,013	1	0,1	1	0,00006	
			Fluopyram (RD)	52	0,94	0,009	0,01		0,009	1	0,1	1,1	0,00004	
		Peach + nectarine	2013	propiconazol	47	0	0,000	0,01		0,015	1	1	3	0,00469
			Phosmet (sum)	47	0	0,000	0,01		0,013	1	1	1	0,00141	
			2013 + 2014	Acetamiprid	47	2	0,050	0,01	0,042	0010	1	1	1	0,00283
				Boscalid	47	11	0,110	0,01	0,055	0033	1	1	1	0,01646
				Carbendazim (incl. benomyl)	47	3	0,180	0,01	0,076	0013	1	1	1	0,00948
				Chlorpyrifos	47	4	0,080	0,01	0,038	0017	1	1	1	0,00503
				Cyhalothrin, lambda-	47	2	0,070	0,01	0,041	0012	1	1	1	0,00305
				Cypermethrin (sum)	47	3	0,024	0,01	0,017	0017	1	1	1	0,00293
				Cyproconazol	47	1	0,010	0,01	0,010	0012	1	1	1	0,00147
				Cyprodinil	47	7	0,160	0,01	0,057	0023	1	1	1	0,01087
				Difenoconazol	47	3	0,031	0,01	0,021	0012	1	1	1	0,00264

		Dithiocarbamater	47	6		0,350	0,04	0,155	0063	1	1	1	0,04674
		Etofenprox	47	13		0,230	0,01	0,057	0018	1	1	1	0,01773
		Fenbuconazol	47	3		0,038	0,01	0,026	0014	1	1	1	0,00317
		Fenhexamid	47	2		0,120	0,01	0,068	0014	1	1	1	0,00441
		Fludioxonil	47	12		2800	0,01	0,482	0061	1	1	1	0,12956
		Imidacloprid	47	5		0,034	0,01	0,025	0012	1	1	1	0,00394
		Iprodion	47	6		1300	0,04	0,579	0054	1	1	1	0,09681
		Pyraclostrobin	47	5		0,026	0,01	0,020	0012	1	1	1	0,00333
		Pyrimethanil	47	1		0,100	0,04	0,000	0014	1	1	1	0,00596
		Spinosad (sum)	47	5		0,270	0,01	0,079	0015	1	1	1	0,01004
		Tebuconazol	47	18	1	0,800	0,01	0,114	0026	1	1	1	0,04900
		Trifloxystrobin	47	2		0,060	0,01	0,034	0010	1	1	1,2	0,00306
		Triflumuron	47	1		0,016	0,01	0,017	0012	1	1	1	0,00158
2014		Thiacloprid	47	1		0,011	0,01	0,011	0011	1	1	1	0,00144
		Thiophanat-methyl	47	2		0,040	0,01	0,028	0012	1	1	1	0,00248
		Deltamethrin	47	3		0,028	0,01	0,025	0017	1	1	1,25	0,00426
		Cyfluthrin (sum)	47	1		0,045	0,01	0,045	0016	1	1	1	0,00263
		Penconazol	47	1		0,018	0,01	0,018	0011	1	1	1	0,00154
EU		Chlorantraniliprole	47	0,947		0,009	0,01		0,009	1	1	1	0,00120
		Chlorothalonil (RD)	47	1215		0,012	0,01		0,012	1	1	1	0,00161
		Clothianidin	47	1007		0,010	0,01		0,010	1	1	1	0,00129
		Chlorobenzilate	47	0,942		0,009	0,01		0,009	1	1	1	0,00119
		Dithianon	47	1973		0,020	0,01		0,020	1	1	1	0,00293
		Dodine	47	2405		0,024	0,01		0,024	1	1	1	0,00379
		Ethirimol	47	0,909		0,009	0,01		0,009	1	1	1	0,00114
		Fenpyroximate	47	1103		0,011	0,01		0,011	1	1	1	0,00143
		Fluopyram (RD)	47	1044		0,010	0,01		0,010	1	1	1,1	0,00148
		Glufosinate (RD)	47	6076		0,061	0,01		0,061	1	1	1	0,01433
		spiromesifen	47	1183		0,012	0,01		0,012	1	1	1	0,00156
Table grapes	2013	Carbendazim (incl. benomyl)	57	0		0,000	0,01		0,012	1	1	1	0,00102
		Cyazofamid	57	0		0,000	0,01		0,011	1	1	1	0,00087
		Etofenprox	57	0		0,000	0,01		0,012	1	1	1	0,00098
		Methoxyfenozyd	57	0		0,000	0,01		0,030	1	1	1	0,00244
		Propamocarb (sum)	57	0		0,000	0,01		0,014	1	1	1	0,00116
		Thiamethoxam (sum)	57	0		0,000	0,01		0,012	1	1	1	0,00102
		Thiophanat-methyl	57	0		0,000	0,01		0,012	1	1	1	0,00100
	2013 + 2014	Boscalid	58	10		0,600	0,01	0,238	0079	1	1	1	0,04743
		Buprofezin	58	2		0,037	0,01	0,033	0013	1	1	1	0,00222
		Chlorpyrifos	57	2		0,060	0,01	0,040	0019	1	1	1	0,00297
		Cyprodinil	57	5		0,120	0,01	0,084	0048	1	1	1	0,01127
		Dimethomorph	58	13		0,592	0,01	0,194	0070	1	1	1	0,04918
		Dithiocarbamater	56	3		0,200	0,04	0,113	0077	1	1	1	0,03179
		Famoxadon	58	3		0,180	0,01	0,080	0020	1	1	1	0,00573
		Fenhexamid	58	10		0,380	0,01	0,197	0061	1	1	1	0,03881
		Fludioxonil	57	5		0,100	0,01	0,062	0046	1	1	1	0,00921
		Imidacloprid	58	6		0,110	0,01	0,060	0017	1	1	1	0,00756
		Iprodion	57	1		0,300	0,04	0,296	0075	1	1	1	0,02978
		Metalaxyl (sum)	58	4		0,095	0,01	0,052	0027	1	1	1	0,00576
		Myclobutanil R	57	11		0,050	0,01	0,026	0018	1	1	1	0,00648
		Penconazol	57	9		0,090	0,01	0,035	0015	1	1	1	0,00676
		Proquinazid	58	1		0,060	0,01	0,060	0011	1	1	1	0,00191
		Pyraclostrobin	58	6		0,060	0,01	0,043	0015	1	1	1	0,00573
		Pyrimethanil	58	5		0,700	0,04	0,406	0091	1	1	1	0,06416
		Quinoxifen	57	1		0,019	0,01	0,019	0012	1	1	1	0,00128
		Spinosad (sum)	58	9		0,088	0,01	0,038	0013	1	1	1	0,00700
		Spiroxamin	58	2		0,073	0,01	0,061	0016	1	1	1	0,00343
		Tebuconazol	57	2		0,140	0,01	0,105	0019	1	1	1	0,00522
		Trifloxystrobin	57	3		0,177	0,01	0,085	0017	1	1	1,2	0,00701
2014		Azoxystrobin	57	11		0,300	0,01	0,065	0022	1	1	1	0,01437
		Chlormequat	58	3		0,018	0,01	0,015	0013	1	1	1	0,00181
		Cyhalothrin, lambda-	57	1		0,040	0,01	0,044	0013	1	1	1	0,00186
		Difenoconazol	57	1		0,040	0,01	0,042	0013	1	1	1	0,00179
		Flusilazol	58	1	1	0,040	0,017	0,030	0011	1	1	1	0,00253
		Iprovalicarb	58	2		0,111	0,01	0,103	0013	1	1	1	0,00462
		Mandipropamid	58	3		0,060	0,01	0,033	0013	1	1	1	0,00274

		Methiocarb (sum)	58	1	0,011	0,01	0,011	0012	1	1	1	0,00113
		Triadimenol-	58	1	0,160	0,01	0,160	0015	1	1	1	0,00395
		Triadimefon (sum)										
EU		Abamectin (RD)	57	0,885	0,009	0,01	0,009		1	1	1	0,00086
		Chlorantraniliprole	57	1216	0,012	0,01	0,012		1	1	1	0,00125
		Clothianidin	57	1121	0,011	0,01	0,011		1	1	1	0,00114
		Dithianon	57	2255	0,023	0,01	0,023		1	1	1	0,00274
		Dodine	57	1483	0,015	0,01	0,015		1	1	1	0,00160
		Ethephon	57	8727	0,087	0,01	0,087		1	1	1	0,02051
		Ethirimol	57	0,994	0,010	0,01	0,010		1	1	1	0,00099
		Fenpyroximate	57	1151	0,012	0,01	0,012		1	1	1	0,00118
		Fluopyram (RD)	57	5132	0,051	0,01	0,051		1	1	1,1	0,00971
		Captan	57	1230	0,012	0,01	0,012		1	1	1	0,00127
		Chlorothalonil (RD)	57	1343	0,013	0,01	0,013		1	1	1	0,00142
		Fenbutatin oxide	57	3207	0,032	0,01	0,032		1	1	1	0,00443
		Folpet	57	1154	0,012	0,01	0,012		1	1	1	0,00118
		Flubendiamide	57	1322	0,013	0,01	0,013		1	1	1	0,00139
		Formetanate	57	1202	0,012	0,01	0,012		1	1	1	0,00124
		spiromesifen	57	1111	0,011	0,01	0,011		1	1	1	0,00113
Kiwi	2013	Azoxystrobin	54	0	0,013	0,01	0,013	0010	1	1	1	0,00143
	2013 + 2014	Fenhexamid	54	12	5000	0,01	2002	0,453	1	1	1	0,50942
		Fludioxonil	54	7	3800	0,01	0,938	0130	1	1	1	0,14017
		Iprodion	54	2	0,150	0,04	0,127	0043	1	1	1	0,02935
	2014	Etofenprox	54	3	0,040	0,01	0,03	0,011	1	1	1	0,00325
		Pyraclostrobin	54	1	0,013	0,01	0,013	0010	1	1	1	0,00167
		Thiabendazol	54	1	0,028	0,01	0,028	0010	1	1	1	0,00199
Peppers	2013	Chlorpyrifos	57	0	0,000	0,01	0,000	0,012	1	1	1	0,00142
		Dithiocarbamater	57	0	0,000	0,04	0,000	0,049	1	1	1	0,02380
		Hexythiazox	57	0	0,000	0,01	0,000	0,011	1	1	1	0,00129
		Pyrimethanil	57	0	0,000	0,04	0,000	0,012	1	1	1	0,00596
		Thiamethoxam (sum)	57	0	0,000	0,01	0,000	0,013	1	1	1	0,00154
		Trifloxystrobin	57	0	0,000	0,01	0,000	0,011	1	1	1,2	0,00163
	2013 + 2014	Acetamiprid	57	1	0,012	0,01	0,012	0011	1	1	1	0,00158
		Azoxystrobin	57	3	0,035	0,01	0,028	0015	1	1	1	0,00322
		Boscalid	57	2	0,100	0,01	0,066	0017	1	1	1	0,00431
		Cyprodinil	57	5	0,035	0,01	0,024	0012	1	1	1	0,00357
		Fludioxonil	57	8	0,160	0,01	0,070	0015	1	1	1	0,01153
		Flutriafol	57	14	0,230	0,01	0,080	0019	1	1	1	0,02199
		Imidacloprid	57	2	0,080	0,01	0,074	0017	1	1	1	0,00463
		Myclobutanil R	57	1	0,011	0,01	0,011	0012	1	1	1	0,00161
		Pirimicarb (sum)	57	1	0,140	0,01	0,136	0011	1	1	1,4	0,00515
		Propamocarb	57	1	0,024	0,01	0,024	0016	1	1	1	0,00239
		Pymetrozin	57	2	0,018	0,01	0,014	0011	1	1	1	0,00177
		Pyriproxyfen	57	1	0,021	0,01	0,021	0012	1	1	1	0,00183
		Triadimenol-	57	1	0,090	0,01	0,091	0015	1	1	1	0,00345
		Triadimefon (sum)										
	2014	Cypermethrin (sum)	57	1	0,026	0,01	0,026	0019	1	1	1	0,00271
		Deltamethrin	57	1	0,030	0,01	0,030	0015	1	1	1,25	0,00289
		Fenhexamid	57	3	0,100	0,01	0,052	0013	1	1	1	0,00433
		Pirimiphos-methyl	57	1	0,140	0,01	0,140	0012	1	1	1	0,00384
		Procymidon	57		0,036	0,01	0,036	0009	1	1	1	0,00172
		Pyraclostrobin	57	2	0,080	0,01	0,051	0012	1	1	1	0,00319
		Tebuconazol	57	3	0,090	0,01	0,060	0012	1	1	1	0,00467
EU		Abamectin (RD)	57	1417	0,014	0,01	0,014		1	1	1	0,00206
		Amitraz	57	1284	0,013	0,01	0,013		1	1	1	0,00183
		Biphenyl	57	0,990	0,010	0,01	0,010		1	1	1	0,00136
		Captan	57	2144	0,021	0,01	0,021		1	1	1	0,00338
		Carbosulfan	57	0,847	0,008	0,01	0,008		1	1	1	0,00114
		Chlorantraniliprole	57	1073	0,011	0,01	0,011		1	1	1	0,00149
		Chlorothalonil (RD)	57	1398	0,014	0,01	0,014		1	1	1	0,00202
		Clothianidin	57	1094	0,011	0,01	0,011		1	1	1	0,00153
		Ethephon	57	3638	0,036	0,01	0,036		1	1	1	0,00670
		Flubendiamide	57	1137	0,011	0,01	0,011		1	1	1	0,00159
		Fluopyram (RD)	57	0,948	0,009	0,01	0,009		1	1	1,1	0,00143
		Folpet	57	1068	0,011	0,01	0,011		1	1	1	0,00148
		Formetanate (RD)	57	0,990	0,010	0,01	0,010		1	1	1	0,00136

			Fosthiazate	57	0,859		0,009	0,01		0,009	1	1	1	0,00116
			Pyrethrins	57	5013		0,050	0,01		0,050	1	1	1	0,01044
			Spiromesifen	57	1182		0,012	0,01		0,012	1	1	1	0,00167
Cucumber	2013		Acetamiprid	25	0		0,000	0,01		0,011	0,5	1	1	0,00108
			Cyromazin	25	0		0,000	0,04		0,000	0,5	1	1	0,00000
			Hexythiazox	25	0		0,000	0,01		0,011	0,5	1	1	0,00114
			Imidacloprid	25	0		0,000	0,01		0,011	0,5	1	1	0,00115
			Iprodion	25	0		0,000	0,04		0,019	0,5	1	1	0,00756
			Propoxur	25	0		0,000	0,01		0,000	0,5	1	1	0,00000
			Pyrimethanil	25	0		0,000	0,04		0,014	0,5	1	1	0,00561
	2013 + 2014		Azoxystrobin	25	2		0,050	0,01	0,052	0013	0,5	1	1	0,00337
			Boscalid	25	1		0,012	0,01	0,012	0012	0,5	1	1	0,00140
			Cyprodinil	25	7		0,160	0,01	0,070	0013	0,5	1	1	0,01111
			Dimethomorph	25	2		0,036	0,01	0,035	0012	0,5	1	1	0,00255
			Dithiocarbamate	25	2		0,240	0,04	0,150	0071	0,5	1	1	0,03444
			Fludioxonil	25	7		0,230	0,01	0,078	0012	0,5	1	1	0,01206
			Metalaxyl (sum)	25	2		0,080	0,01	0,053	0012	0,5	1	1	0,00331
			Myclobutanil R	25	1		0,032	0,01	0,032	0012	0,5	1	1	0,00180
			Propamocarb	25	17		1900	0,01	0,586	0085	0,5	1	1	0,20758
			Pymetrozin	25	4		0,060	0,01	0,033	0012	0,5	1	1	0,00387
	2014		Thiacloprid	25	1		0,100	0,01	0,096	0012	0,5	1	1	0,00317
	EU		Abamectin (RD)	25	0,955		0,010	0,01		0,010	0,5	1	1	0,00114
			Captan	25	1225		0,012	0,01		0,012	0,5	1	1	0,00153
			Chlorantraniliprole	25	0,956		0,010	0,01		0,010	0,5	1	1	0,00114
			Chlorothalonil (RD)	25	1840		0,018	0,01		0,018	0,5	1	1	0,00252
			Clothianidin	25	1063		0,011	0,01		0,011	0,5	1	1	0,00129
			Ethirimol	25	0,939		0,009	0,01		0,009	0,5	1	1	0,00112
			Fenbutatin oxide	25	1409		0,014	0,01		0,014	0,5	1	1	0,00181
			Fenpyroximate	25	1017		0,010	0,01		0,010	0,5	1	1	0,00123
			Flubendiamide	25	0,990		0,010	0,01		0,010	0,5	1	1	0,00119
			Fluopyram (RD)	25	1109		0,011	0,01		0,011	0,5	1	1,1	0,00149
			Folpet	25	1094		0,011	0,01		0,011	0,5	1	1	0,00134
			Formetanate (RD)	25	0,924		0,009	0,01		0,009	0,5	1	1	0,00110
			spiromesifen	25	1072		0,011	0,01		0,011	0,5	1	1	0,00130
Cauliflower	2014		Imidacloprid	8	1		0,018	0,01	0,018	0010	0,62	1	1	0,00591
	EU		Chlorothalonil							0,015	0,62	1	1	0,00917
Broccoli	2013		Chlorpyrifos	1	1		0,360	0,01		0,010	0,63	1	1	0,00617
	2014		Boscalid	12	1		0,060	0,01		0,010	0,63	1	1	0,00639
			Cyhalothrin, lambda-	12	1		0,026	0,01		0,013	0,63	1	1	0,00842
			Cypermethrin (sum)	12	1		0,012	0,01		0,014	0,63	1	1	0,00883
			Imidacloprid	12	2		0,080	0,01		0,011	0,63	1	1	0,00718
	EU		Chlorothalonil (RD)					0,01		0,015	0,63	1	1	0,00932
			Fluopyram (RD)							0,009	0,63	1	1,1	0,00616
Plum	2013		Carbendazim (incl. benomyl)	42	3		0,000	0,01	0,015	0010	0,88	1	1	0,00143
			Cyprodinil	42	2		0,000	0,01	0,015	0010	0,88	1	1	0,00141
			Etofenprox	42	6		0,000	0,01	0,027	0012	0,88	1	1	0,00171
			Fenhexamid	42	1		0,000	0,01	0,024	0010	0,88	1	1	0,00142
			Imidacloprid	42	1		0,000	0,01	0,012	0010	0,88	1	1	0,00138
	2013 + 2014		Boscalid	30	3		0,029	0,01	0,024	0011	0,88	1	1	0,00368
			Fludioxonil	30	2		0,400	0,01	0,220	0024	0,88	1	1	0,01618
			Iprodion	30	9		0,400	0,04	0,289	0115	0,88	1	1	0,13957
			Pyraclostrobin	30	1		0,010	0,01	0,010	0010	0,88	1	1	0,00167
			Pyrimethanil	30	11		0,260	0,04	0,103	0063	0,88	1	1	0,06777
			Tebuconazol	30	4		0,120	0,01	0,067	0018	0,88	1	1	0,01022
	2014		Azoxystrobin	30	1		0,040	0,01	0,041	0011	0,88	1	1	0,00272
			Fenbuconazol	30	1		0,011	0,01	0,011	0010	0,88	1	1	0,00171
Melon	2013		Buprofezin	44	4		0,040	0,01	0,025	0011	1	0,1	1	0,00020
			Dimethomorph	44	1		0,120	0,01	0,12	0,013	1	0,1	1	0,00022
			Fludioxonil	44	1		0,013	0,01	0,013	0010	1	0,1	1	0,00017
			Flutriafol	44	2		0,017	0,01	0,015	0010	1	0,1	1	0,00018
			Metalaxyl (sum)	44	1		0,030	0,01	0,03	0,010	1	0,1	1	0,00018
			Methoxyfenozid	44	1		0,016	0,01	0,016	0010	1	0,1	1	0,00018
			Tebuconazol	44	1		0,011	0,01	0,011	0010	1	0,1	1	0,00017
			Thiamethoxam (sum)	44	1		0,014	0,01	0,014	0010	1	0,1	1	0,00017
				44	1		0,050	0,01	0,05	0,011	1	0,1	1	0,00019

		Triadimenol-										
		Triadimefon (sum)										
	2013 + 2014	Thiophanat-methyl	34	1	0,027	0,01	0,027	0011	1	0,25	1	0,00065
		Imazalil	34	13	0,800	0,02	0,203	0090	1	0,1	1	0,01087
		Imidacloprid	34	10	0,050	0,01	0,028	0015	1	0,31	1	0,00337
		Boscalid	34	2	0,012	0,01	0,011	0010	1	0,1	1	0,00024
		Cyromazin	34	1	0,040	0,04	0,044	0040	1	0,61	1	0,01769
		Propamocarb	34	5	0,039	0,01	0,028	0013	1	0,1	1	0,00063
		Thiacloprid	34	2	0,019	0,01	0,019	0011	1	0,1	1	0,00029
		Azoxystrobin	34	2	0,020	0,01	0,032	0011	1	0,1	1	0,00038
		Carbendazim (incl. benomyl)	34	1	0,013	0,01	0,013	0010	1	0,25	1	0,00053
	2014	Cypermethrin (sum)	34	1	0,021	0,01	0,021	0010	1	0,1	1	0,00024
		Dicofol (sum)	34	1	0,050	0,01	0,046	0011	1	0,1	1	0,00033
		Tetradifon	34	1	0,018	0,01	0,018	0010	1	0,1	1	0,00023
		Bifenthrin	34	2	0,018	0,01	0,016	0010	1	0,1	1	0,00027
		Dithiocarbamater	34	1	0,100	0,04	0,1	0,042	1	0,1	1	0,00318
Watermelon	2013	Acetamiprid	7	1	0,011	0,01	0	0,010	1	0,1	1	0,00100
		Carbendazim (incl. benomyl)	7	1	0,011	0,01	0	0,010	1	0,25	1	0,00250
		Dithiocarbamater	2	1	0,120	0,04	0	0,040	1	0,1	1	0,00400
		Imazalil	7	1	0,011	0,011	0	0,011	1	0,1	1	0,00110
		Myclobutanil R	7	1	0,017	0,01	0	0,010	1	0,1	1	0,00100
	2014	Imidacloprid	2	1	0,016	0,01	0,016	0013	1	0,31	1	0,00403
Leek	2013 + 2014	Boscalid	5	3	0,029	0,01		0,015	0,33	1	1	0,00487
		Famoxadon	5	2	0,090	0,01		0,024	0,33	1	1	0,00806
		Pyraclostrobin	5	1	0,013	0,01		0,010	0,33	1	1	0,00346
	2014	Difenoconazol	5	1	0,010	0,01		0,011	0,33	1	1	0,00372
		Tebuconazol	5	3	0,014	0,01		0,013	0,33	1	1	0,00437
	EU	Chlorothalonil (RD)				0,01		0,018	0,33	1	1	0,00582
Avocado	2014	Prochloraz (sum)	16	1	1200	0,01	1,2	0,084	1	1	1	0,08438
		Thiabendazol	16	3	0,040	0,01	0,024	0013	1	1	1	0,01263
Cougette/ squash	2013	Aldrin + dieldrin (sum)	4	1	0,050	0,01	0,000	0010	1	1	1	0,01000
		Boscalid	4	1	0,012	0,01	0,000	0010	1	1	1	0,01000
	2014	Dithiocarbamater	6	1	0,150	0,04	0,15	0,058	1	1	1	0,05833
		Imazalil	13	1	0,038	0,01	0,038	0012	1	1	1	0,01215
		Imidacloprid	13	4	0,150	0,01	0,073	0013	1	1	1	0,01256
		Propamocarb (sum)	13	2	0,018	0,01	0,018	0010	1	1	1	0,00985
		Thiacloprid	13	1	0,090	0,01	0,091	0016	1	1	1	0,01623
Pineapple	2013 + 2014	Prochloraz (sum)	57	16	0,130	0,01	0,128	0043	1	1	1	0,04300
		Triadimenol- Triadimefon (sum)	57	40	0,500	0,02	0,138	0103	1	1	1	0,10294
	2014	Carbaryl	57	3	0,022	0,01	0,014	0010	1	1	1	0,01023
		Diazinon	57	6	0,078	0,01	0,028	0012	1	1	1	0,01186
Carrot	2013 + 2014	Azoxystrobin	15	3	0,050	0,01	0,307	0013	0,26	1	1	0,01710
		Boscalid	15	2	0,021	0,01	0,019	0018	0,26	1	1	0,00226
		Difenoconazol	15	1	0,011	0,01	0,011	0012	0,26	1	1	0,00124
		Tebuconazol	15	2	0,021	0,01	0,016	0013	0,26	1	1	0,00165
	2014	Aldrin + dieldrin (sum)	15		0,310	0,01	0,307	0010	0,26	1	1	0,00619
		Chlorpyrifos	15	1	0,022	0,01	0,022	0014	0,26	1	1	0,00159
		DDT (sum)	15		0,033	0,01	0,033	0012	0,26	1	1	0,00164
		Linuron	15	2	0,040	0,021	0,043	0013	0,26	1	1	0,00393
	EU	Clothianidin	15	0,98	0,010	0,01		0,010	0,26	1	1	0,00103
		Tefluthrin	15	1,04	0,010	0,01		0,010	0,26	1	1	0,00111
		Chloranthiliprole	15	0,97	0,010	0,01		0,010	0,26	1	1	0,00102
		Clothianidin	15	0,98	0,010	0,01		0,010	0,26	1	1	0,00103
		Fenbutatin oxide	15	1,39	0,014	0,01		0,014	0,26	1	1	0,00156
		Fluopyram (RD)	15	0,99	0,010	0,01		0,010	0,26	1	1,1	0,00114
Rasp- berries + blackberries	2013	Azoxystrobin	24	1	0,023	0,01	0,023	0011	1	1	1	0,00139
		Bifenthrin	24	3	0,290	0,01	0,040	0014	1	1	1	0,00182
		Hexythiazox	24	2	0,200	0,01	0,033	0012	1	1	1	0,00158
		Iprodion	24	2	0,900	0,04	0,900	0112	1	1	1	0,05909
		Methodathion	24	1	0,019	0,01	0,019	0010	1	1	1	0,00137
	2013 + 2014	Boscalid	19	4	0,500	0,01	0,586	0131	1	1	1	0,14518
		Cypermethrin (sum)	19	2	0,024	0,01	0,017	0011	1	1	1	0,00358
		Cyprodinil	19	7	0,150	0,01	0,061	0029	1	1	1	0,02728

		Fenhexamid	19	5		0,300	0,01	0,277	0080	1	1	1	0,08625
		Fludioxonil	19	5		0,070	0,01	0,066	0025	1	1	1	0,02144
		Myclobutanil R	19	2		0,240	0,01	0,173	0027	1	1	1	0,02269
		Pyraclostrobin	19	3		0,190	0,01	0,093	0023	1	1	1	0,01861
		Spinosad (sum)	19	1		0,276	0,01	0,276	0024	1	1	1	0,01854
		Carbendazim (incl. benomyl)	19	1		0,090	0,01	0,094	0014	1	1	1	0,00736
	2014	Pyrimethanil	19	4		0,190	0,04	0,123	0057	1	1	1	0,06414
		Fenazaquin	19	1		0,110	0,01	0,107	0015	1	1	1	0,00816
		Thiophanat-methyl	19	1		0,050	0,01	0,048	0012	1	1	1	0,00453
		Dimethoat + omethoat (sum)	19	1		0,055	0,01	0,055	0012	1	1	1	0,00496
		Thiacloprid	19	1		0,040	0,01	0,040	0012	1	1	1	0,00404
		Clofentezin	19	1		0,100	0,02	0,099	0024	1	1	1,1	0,01461
Grapefruit	2013	Azoxystrobin	51	6		0,090	0,01	0,046	0014	1	0,1	1	0,00004
		Fenbuconazol	51	4		0,012	0,01	0,011	0010	1	1	1	0,00028
		Fenpropathrin	51	1		0,050	0,01	0,050	0011	1	0,1	1	0,00003
		Malathion (sum)	51	1		0,026	0,01	0,026	0010	1	0,1	1	0,00003
		Trifloxystrobin	51	1		0,038	0,01	0,038	0011	1	0,1	1	0,00003
	2013 + 2014	2,4-D (sum)	25	3		0,099	0,03	0,056	0033	1	0,1	1	0,00123
		Acetamiprid	25	5		0,220	0,01	0,059	0020	1	0,1	1	0,00130
		Carbendazim (incl. benomyl)	25	2		0,038	0,01	0,025	0011	1	0,25	1	0,00066
		Chlorpyrifos	25	17		0,170	0,01	0,076	0055	1	0,1	1	0,00549
		Cypermethrin (sum)	25	1		0,050	0,01	0,051	0012	1	0,1	1	0,00027
		Imazalil	25	25		3600	0,01	0,876	0876	1	0,13	1	0,12034
		Imidacloprid	25	2		0,022	0,01	0,017	0011	1	0,31	1	0,00061
		Phenylphenol, ortho-Prochloraz (sum)	25	5		0,800	0,01	0,289	0066	1	0,1	1	0,00615
		Pyraclostrobin	25	4		0,060	0,01	0,034	0014	1	0,14	1	0,00088
		Pyridaben	25	2		0,021	0,01	0,021	0011	1	0,1	1	0,00023
		Pyrimethanil	25	1		0,240	0,04	0,238	0048	1	0,1	1	0,00203
		Pyriproxyfen	25	6		0,025	0,01	0,015	0011	1	0,1	1	0,00043
		Thiabendazol	25	17		2400	0,01	0,511	0351	1	0,25	1	0,09183
	2014	Thiophanat-methyl	25	1		0,014	0,01	0,014	0010	1	0,25	1	0,00028
		Fenvalerat(sum)	25	1		0,017	0,01	0,017	0010	1	0,1	1	0,00012
		Pendimethalin	25	1		0,010	0,01	0,010	0010	1	0,1	1	0,00010
		Propiconazol	25	1		0,013	0,01	0,013	0010	1	0,1	1	0,00011
Beans with pods	2013	Acetamiprid	41	1		0,019	0,01		0,010	1	1	1	0,00112
		Bifenthrin	41	1		0,025	0,01		0,011	1	1	1	0,00131
		Chlorpyrifos	41	1	1	0,170	0,01		0,012	1	1	1	0,00137
		Dithiocarbamater	41	2		0,400	0,04		0,066	1	1	1	0,02995
		Imidacloprid	41	1		0,050	0,01		0,011	1	1	1	0,00128
		Iprovalicarb	41	1		0,020	0,01		0,011	1	1	1	0,00125
		Methoxyfenozyd	41	1		0,040	0,01		0,011	1	1	1	0,00125
		Propamocarb (sum)	41	1		0,023	0,01		0,010	1	1	1	0,00111
		Thiabendazol	41	1		0,015	0,01		0,012	1	1	1	0,00139
		Trifloxystrobin	41	1		0,040	0,01		0,011	1	1	1	0,00124
	2013 + 2014	Azoxystrobin	41	4		0,034	0,01	0,027	0016	1	1	1	0,00442
		Boscalid	41	6		0,110	0,01	0,069	0019	1	1	1	0,01227
		Carbendazim (incl. benomyl)	41	4		0,090	0,01	0,033	0014	1	1	1	0,00482
		Cyhalothrin, lambda-Cypermethrin (sum)	41	3		0,017	0,01	0,013	0014	1	1	1	0,00257
		Cyprodinil	41	3		0,800	0,01	0,332	0017	1	1	1	0,02620
		Iprodion	41	1		0,390	0,04	0,392	0033	1	1	1	0,02453
	2014	Difenoconazol	41	3		0,021	0,01	0,190	0012	1	1	1	0,01527
		Dimethoat + omethoat (sum)	41		1	0,250	0,01	0,248	0012	1	1	1	0,00744
		Ethoprophos	41		1	0,011	0,01	0,011	0010	1	1	1	0,00140
		Fludioxonil	41		1	0,600	0,01	0,624	0014	1	1	1	0,01676
		Spinosad (sum)	41	1		0,023	0,01	0,023	0014	1	1	1	0,00212
		Thiophanat-methyl	41	1		0,028	0,01	0,028	0013	1	1	1	0,00213
EU		Abamectin (RD)	41	0,97		0,010	0,01		0,010	1	1	1	0,00133
		Amitraz	41	1,54		0,015	0,01		0,015	1	1	1	0,00234
		Biphenyl	41	1,00		0,010	0,01		0,010	1	1	1	0,00138

		Captan	41	2,12			0,021	0,01		0,021	1	1	1	0,00351
		Chlorantraniliprole	41	1,07			0,011	0,01		0,011	1	1	1	0,00150
		Chlorothalonil (RD)	41	1,60			0,016	0,01		0,016	1	1	1	0,00244
		Fenpyroximate	41	1,04			0,010	0,01		0,010	1	1	1	0,00145
		Flubendiamide	41	1,01			0,010	0,01		0,010	1	1	1	0,00140
		Fluopyram (RD)	41	1,01			0,010	0,01		0,010	1	1	1,1	0,00154
		Folpet	41	2,12			0,021	0,01		0,021	1	1	1	0,00351
		Spiromesifen	41	1,09			0,011	0,01		0,011	1	1	1	0,01091
Peas without pods	2013	Carbendazim (incl. benomyl)	3	1			0,050	0,01		0,011	0,53	1	1	0,00609
		Cyprodinil	3	1			0,015	0,01		0,012	0,53	1	1	0,00624
		Fludioxonil	3	1			0,024	0,01		0,013	0,53	1	1	0,00667
		Thiophanat-methyl	3	1			0,039	0,01		0,012	0,53	1	1	0,00658
	2013 + 2014	Boscalid	8	5			0,140	0,01		0,015	0,53	1	1	0,00783
Strawberries	EU	Ethirimol						0,01		0,009	0,53	1	1	0,00472
	2013	Chlorpyrifos	31	1			0,017	0,01		0,010	0,39	1	1	0,00015
		Clofentezin	31	2			0,090	0,02		0,015	0,39	1	1,1	0,00046
		Dinocap (sum)	31	1	1		0,240	0,01	0,133	0,018	0,39	1	1	0,00025
		Flutriafol	31	2			0,050	0,01		0,011	0,39	1	1	0,00016
		Methiocarb (sum)	31	2			0,036	0,01		0,010	0,39	1	1	0,00015
		Procymidon	31		2		0,016	0,01		0,009	0,39	1	1	0,00013
		Tebufenpyrad	31	1			0,060	0,01		0,010	0,39	1	1	0,00014
	2013 + 2014	Azoxystrobin	31	3			0,060	0,01	0,046	0,029	0,39	1	1	0,00216
		Boscalid	31	15			1000	0,01	0,270	0,075	0,39	1	1	0,05211
		Carbendazim (incl. benomyl)	31	2			0,050	0,01	0,033	0,010	0,39	1	1	0,00097
		Cyhalothrin, lambda-	31	1			0,027	0,01	0,027	0,013	0,39	1	1	0,00053
		Cyprodinil	31	1			0,400	0,01	0,125	0,067	0,39	1	1	0,00253
		Dithiocarbamate	31	2			0,600	0,04	0,315	0,077	0,39	1	1	0,01229
		Fenhexamid	31	8			2100	0,01	0,692	0,091	0,39	1	1	0,07094
		Fludioxonil	31	16			0,260	0,01	0,077	0,048	0,39	1	1	0,01610
		Hexythiazox	31	5			0,026	0,01	0,018	0,011	0,39	1	1	0,00131
		Iprodion	31	4			0,280	0,04	0,158	0,031	0,39	1	1	0,00973
		Kresoxim-methyl	31	1			0,060	0,04	0,065	0,013	0,39	1	1,4	0,00215
		Mepanipyrim (sum)	31	8			0,290	0,01	0,160	0,019	0,39	1	1	0,01637
		Metalaxyl (sum)	31	1			0,021	0,01	0,021	0,010	0,39	1	1	0,00040
		Myclobutanil R	31	7			0,140	0,01	0,076	0,016	0,39	1	1	0,00691
		Penconazol	31	7			0,160	0,01	0,059	0,013	0,39	1	1	0,00540
		Pyraclostrobin	31	9			0,220	0,01	0,087	0,022	0,39	1	1	0,01014
		Quinoxifen	31	1			0,020	0,01	0,020	0,011	0,39	1	1	0,00041
		Thiacloprid	31	3			0,183	0,01	0,093	0,015	0,39	1	1	0,00373
		Thiophanat-methyl	31	1			0,023	0,01	0,023	0,012	0,39	1	1	0,00046
		Triadimenol-	31	1			0,060	0,01	0,064	0,013	0,39	1	1	0,00099
		Triadimefon (sum)												
		Trifloxystrobin	31	9			0,250	0,01	0,104	0,016	0,39	1	1,2	0,01436
	2014	Acrinathrin	31		1		0,130	0,01	0,126	0,016	0,39	1	1	0,00182
		Bupirimat	31	3			0,040	0,01	0,024	0,016	0,39	1	1	0,00112
		Dichlorvos	31		1		0,100	0,01	0,100	0,009	0,39	1	1	0,00139
		Dimethomorph	31	1			0,012	0,01	0,012	0,011	0,39	1	1	0,00031
		Pirimicarb (sum)	31	3			0,290	0,01	0,127	0,013	0,39	1	1,1	0,00546
		Pymetrozin	31	1			0,014	0,01	0,014	0,010	0,39	1	1	0,00032
		Spinosad (sum)	31	2			0,060	0,01	0,037	0,015	0,39	1	1	0,00115
		Vinclozolin (sum)	31	1			0,018	0,01	0,018	0,011	0,39	1	1	0,00039
	EU	Abamectin (RD)	31	1,66			0,017	0,01		0,017	0,39	1	1	0,00058
		Captan (RD)	31	3,00			0,030	0,01		0,030	0,39	1	1	0,00156
		Chlorantraniliprole	31	1,00			0,010	0,01		0,010	0,39	1	1	0,00027
		Chlorothalonil (RD)	31	1,43			0,014	0,01		0,014	0,39	1	1	0,00046
		Dodine	31	1,02			0,010	0,01		0,010	0,39	1	1	0,00028
		Ethirimol	31	0,95			0,009	0,01		0,009	0,39	1	1	0,00025
		Fenbutatin oxide	31	1,69			0,017	0,01		0,017	0,39	1	1	0,00060
		Fenpyroximate	31	1,12			0,011	0,01		0,011	0,39	1	1	0,00032
		Fluopyram (RD)	31	1,17			0,012	0,01		0,012	0,39	1	1,1	0,00037
		Folpet (RD)	31	3,00			0,030	0,01		0,030	0,39	1	1	0,00156
		Formetanate (RD)	31	1,37			0,014	0,01		0,014	0,39	1	1	0,00043
		Spiromesifen	31	1,22			0,012	0,01		0,012	0,39	1	1	0,00036
	2013	Bromid	10	2	1		40,000	3		3075	0,54	1	1	1,66023

Lettuce + Lettuce iceberg		Cyhalothrin, lambda-	27	1		0,022	0,01		0,017	0,54	1	1	0,00032	
		Deltamethrin	27	1		0,130	0,01		0,018	0,54	1	1,25	0,00042	
		Dimethomorph	27	3		0,350	0,01		0,031	0,54	1	1	0,00057	
		Fludioxonil	27	1		4000	0,01		0,058	0,54	1	1	0,00107	
		Iprodion	27	4		0,500	0,04		0,193	0,54	1	1	0,01428	
		Propyzamid	27	1		0,029	0,01		0,011	0,54	1	1	0,00020	
		Pyraclostrobin	27	3		0,080	0,01		0,022	0,54	1	1	0,00042	
		Thiacloprid	27	1		0,080	0,01		0,011	0,54	1	1	0,00020	
		Tolclofos-methyl	27	1		0,180	0,02		0,015	0,54	1	1	0,00055	
		2013 + 2014	Acetamiprid	27	1		0,080	0,01	0,076	0018	0,54	1	1	0,00185
		Azoxystrobin	27	1		0,060	0,01	0,063	0027	0,54	1	1	0,00176	
		Boscalid	27	4		0,060	0,01	0,036	0114	0,54	1	1	0,00495	
		Cypermethrin (sum)	27	2		0,028	0,01	0,024	0022	0,54	1	1	0,00135	
		Cyprodinil	27	1		0,018	0,01	0,018	0047	0,54	1	1	0,00123	
		Dithiocarbamater	27	1	1	4000	0,04	2210	0,194	0,54	1	1	0,10276	
		Imidacloprid	27	8		0,140	0,01	0,03675	0,019	0,54	1	1	0,00623	
		Metalaxyl (sum)	27	3		0,160	0,01	0,077	0012	0,54	1	1	0,00486	
		Spinosad (sum)	27	2		0,700	0,01	0,365	0015	0,54	1	1	0,01489	
		Thiamethoxam (sum)	27	1		0,018	0,01	0,018	0015	0,54	1	1	0,00063	
2014	Cyfluthrin (sum)	27	1		0,020	0,01	0,020	0015	0,54	1	1	0,00067		
Difenoconazol	27	2		0,080	0,01	0,055	0012	0,54	1	1	0,00241			
Fenhexamid	27	2		0,040	0,01	0,038	0034	0,54	1	1	0,00212			
Propamocarb	27	2		0,070	0,01	0,054	0564	0,54	1	1	0,01261			
EU	Chlorantraniliprole	27	1,09		0,011	0,01		0,011	0,54	1	1	0,00044		
Chlorothalonil (RD)	27	0,95		0,010	0,01		0,010	0,54	1	1	0,00036			
Clothianidin	27	1,04		0,010	0,01		0,010	0,54	1	1	0,00041			
Dodine	27	1,28		0,013	0,01		0,013	0,54	1	1	0,00056			
Fluopyram (RD)	27	2,43		0,024	0,01		0,024	0,54	1	1,1	0,00179			
Folpet (RD)	27	3,42		0,034	0,01		0,034	0,54	1	1	0,00297			
Pears	2013	Diphenylamin	26	1		0,017	0,01		0,019	0,55	1	1	0,00097	
Methoxyfenozid	26	1		0,060	0,01		0,011	0,55	1	1	0,00056			
Propham	26	1		0,011	0,01		0,010	0,55	1	1	0,00052			
Propiconazol	26	1		0,015	0,01		0,012	0,55	1	3	0,00191			
2013 + 2014	Acetamiprid	26	1		0,025	0,01	0,025	0010	0,55	1	1	0,00106		
Boscalid	26	7		0,160	0,01	0,088	0055	0,55	1	1	0,01590			
Chlormequat	26	3	1	0,070	0,01	0,033	0021	0,55	1	1	0,00387			
Cyprodinil	26	5		0,150	0,01	0,068	0031	0,55	1	1	0,00882			
Dithiocarbamater	26	2		0,200	0,04	0,165	0115	0,55	1	1	0,03077			
Fludioxonil	25	6		0,060	0,01	0,028	0030	0,55	1	1	0,00525			
Imazalil	26		1	1100	0,01	1130	0,086	0,55	1	1	0,02835			
Pyraclostrobin	26	6		0,110	0,01	0,063	0020	0,55	1	1	0,00903			
Pyrimethanil	26	2		1400	0,04	1220	0,047	0,55	1	1	0,06124			
Thiacloprid	26	3		0,033	0,01	0,022	0014	0,55	1	1	0,00214			
2014	Trifloxystrobin	26	1		0,013	0,01	0,013	0010	0,55	1	1,2	0,00098		
Triflumuron	26	1		0,017	0,01	0,017	0012	0,55	1	1	0,00097			
EU	Abamectin (RD)	26	0,93		0,009	0,01		0,009	0,55	1	1	0,00067		
Amitraz (RD)	26	1,70		0,017	0,01		0,017	0,55	1	1	0,00149			
Captan (RD)	26	7,87		0,079	0,01		0,079	0,55	1	1	0,01716			
Chlorantraniliprole	26	1,21		0,012	0,01		0,012	0,55	1	1	0,00093			
Chlorothalonil (RD)	26	1,37		0,014	0,01		0,014	0,55	1	1	0,00111			
Clothianidin	26	1,02		0,010	0,01		0,010	0,55	1	1	0,00075			
Diflubenzuron (RD)	26	1,46		0,015	0,01		0,015	0,55	1	1	0,00121			
Dithianon	26	2,86		0,029	0,01		0,029	0,55	1	1	0,00320			
Dodine	26	2,48		0,025	0,01		0,025	0,55	1	1	0,00258			
Ethephon	26	1,84		0,018	0,01		0,018	0,55	1	1	0,00167			
Fenbutatin oxide	26	2,35		0,023	0,01		0,023	0,55	1	1	0,00238			
Fenpyroximate	26	1,04		0,010	0,01		0,010	0,55	1	1	0,00076			
Flubendiamide	26	0,99		0,010	0,01		0,010	0,55	1	1	0,00072			
Fluopyram (RD)	26	0,97		0,010	0,01		0,010	0,55	1	1,1	0,00077			
Folpet (RD)	26	7,87		0,079	0,01		0,079	0,55	1	1	0,01716			
Apples	2013	Acetamiprid	29	3		0,060	0,01		0,011	0,52	1	1	0,00137	
Cyprodinil	29	1		0,100	0,01		0,011	0,52	1	1	0,00137			
Dinocap (sum)	29	1		0,013	0,01		0,013	0,52	1	1	0,00157			
Diphenylamin	29	6		1200	0,01		0,023	0,52	1	1	0,00278			
Etofenprox	29	1		0,034	0,01		0,010	0,52	1	1	0,00122			
Fenazaquin	29	1		0,013	0,01		0,010	0,52	1	1	0,00117			

		Flufenoxuron	29	1	0,016	0,01	0,015	0,52	1	1	0,00181	
		Iprodion	29	1	0,070	0,04	0,036	0,52	1	1	0,01725	
		Phosmet (sum)	29	1	0,018	0,01	0,013	0,52	1	1	0,00152	
		Pyrimethanil	29	2	1400	0,04	0,042	0,52	1	1	0,02004	
		Thiabendazol	29	1	0,500	0,01	0,021	0,52	1	1	0,00253	
2013 + 2014		Boscalid	29	9	0,090	0,01	0,038	0,027	0,52	1	1	0,00941
		Carbendazim (incl. benomyl)	29	1	0,022	0,01	0,022	0,012	0,52	1	1	0,00183
		Chlorpyrifos	29	7	0,080	0,01	0,032	0,018	0,52	1	1	0,00620
		Dithiocarbamater	29	1	0,900	0,04	0,900	0,077	0,52	1	1	0,05333
		Fludioxonil	29	4	0,060	0,01	0,039	0,024	0,52	1	1	0,00573
		Pirimicarb (sum)	29	1	0,040	0,01	0,046	0,013	0,52	1	1,3	0,00308
		Pyraclostrobin	29	4	0,060	0,01	0,030	0,014	0,52	1	1	0,00389
		Thiacloprid	29	2	0,062	0,01	0,045	0,011	0,52	1	1	0,00294
		Trifloxystrobin	29	2	0,025	0,01	0,019	0,012	0,52	1	1,2	0,00255
2014		Tebuconazol	29	1	0,018	0,01	0,018	0,012	0,52	1	1	0,00179
EU		Captan (RD)	29	7,20	0,072	0,01	0,072	0,52	1	1	0,01797	
		Chlorantraniliprole	29	1,06	0,011	0,01	0,011	0,52	1	1	0,00147	
		Chlorothalonil	29	1,29	0,013	0,01	0,013	0,52	1	1	0,00185	
		Clothianidin	29	1,00	0,010	0,01	0,010	0,52	1	1	0,00139	
		Diflubenzuron (RD)	29	1,04	0,010	0,01	0,010	0,52	1	1	0,00145	
		Dithianon	29	2,89	0,029	0,01	0,029	0,52	1	1	0,00499	
		Dodine	29	2,97	0,030	0,01	0,030	0,52	1	1	0,00516	
		Ethephon	29	1,75	0,017	0,01	0,017	0,52	1	1	0,00265	
		Ethirimol	29	0,92	0,009	0,01	0,009	0,52	1	1	0,00126	
		Fenbutatin oxide	29	2,63	0,026	0,01	0,026	0,52	1	1	0,00441	
		Fenpyroximate	29	0,99	0,010	0,01	0,010	0,52	1	1	0,00137	
		Flubendiamide	29	1,04	0,010	0,01	0,010	0,52	1	1	0,00144	
		Fluopyram (RD)	29	0,94	0,009	0,01	0,009	0,52	1	1,1	0,00143	
		Folpet (RD)	29	7,20	0,072	0,01	0,072	0,52	1	1	0,01797	
		Spiromesifen	29	1,03	0,010	0,01	0,010	0,52	1	1	0,00143	
Tomatoes	2013	Dimethomorph	27	1	0,050	0,01	0,012	0,52	1	1	0,00074	
		Flutriafol	27	2	0,024	0,01	0,011	0,52	1	1	0,00070	
		Pyriproxyfen	27	1	0,023	0,01	0,011	0,52	1	1	0,00071	
2013 + 2014		Boscalid	27	8	0,400	0,01	0,126	0,017	0,52	1	1	0,02045
		Cyprodinil	27	2	0,200	0,01	0,127	0,014	0,52	1	1	0,00574
		Difenoconazol	27	2	0,014	0,01	0,013	0,013	0,52	1	1	0,00131
		Dithiocarbamater	25	6	0,340	0,04	0,178	0,054	0,52	1	1	0,03670
		Famoxadon	27	3	0,034	0,01	0,026	0,014	0,52	1	1	0,00238
		Fenhexamid	27	2	0,030	0,01	0,023	0,016	0,52	1	1	0,00189
		Fludioxonil	27	1	0,060	0,01	0,064	0,012	0,52	1	1	0,00201
		Iprodion	27	2	0,280	0,04	0,165	0,019	0,52	1	1	0,01113
		Propamocarb (sum)	27	1	0,018	0,01	0,018	0,016	0,52	1	1	0,00137
		Pyrimethanil	27	1	0,060	0,04	0,062	0,012	0,52	1	1	0,00428
		Tebuconazol	27	4	0,120	0,01	0,051	0,012	0,52	1	1	0,00465
2014		Acetamiprid	27	2	0,035	0,01	0,027	0,011	0,52	1	1	0,00172
		Azoxystrobin	27	1	0,011	0,01	0,011	0,013	0,52	1	1	0,00103
		Cyazofamid	27	1	0,011	0,01	0,011	0,010	0,52	1	1	0,00084
		Cymoxanil	27	1	0,031	0,01	0,031	0,010	0,52	1	1	0,00123
		Cypermethrin (sum)	27	1	0,012	0,01	0,012	0,016	0,52	1	1	0,00124
		Fenamidon	27	1	0,020	0,01	0,020	0,011	0,52	1	1,1	0,00115
		Imidacloprid	27	1	0,013	0,01	0,013	0,011	0,52	1	1	0,00096
		Mepanipyrim (sum)	27	1	0,011	0,01	0,011	0,010	0,52	1	1	0,00087
		Metalaxyl (sum)	27	1	0,015	0,01	0,015	0,011	0,52	1	1	0,00095
		Pirimicarb (sum)	27	1	0,012	0,01	0,012	0,010	0,52	1	1,3	0,00113
		Pirimiphos-methyl	27	1	0,290	0,01	0,289	0,011	0,52	1	1	0,00628
		Pyraclostrobin	27	7	0,140	0,01	0,036	0,010	0,52	1	1	0,00552
		Pyridaben	27	1	0,031	0,01	0,031	0,011	0,52	1	1	0,00129
		Thiacloprid	27	1	0,022	0,01	0,022	0,011	0,52	1	1	0,00110
		Thiamethoxam (sum)	27	1	0,013	0,01	0,013	0,011	0,52	1	1	0,00095
		Triadimenol-	27	1	0,020	0,01	0,020	0,013	0,52	1	1	0,00122
		Triadimefon (sum)										
		Trifloxystrobin	27	1	0,037	0,01	0,037	0,010	0,52	1	1,2	0,00161
EU		Abamectin (RD)	27	0,95	0,010	0,01	0,010	0,52	1	1	0,00077	
		Amitraz (RD)	27	1,26	0,013	0,01	0,013	0,52	1	1	0,00110	
		Biphenyl	27	0,98	0,010	0,01	0,010	0,52	1	1	0,00080	

		Chlorantraniliprole	27	1,00		0,010	0,01		0,010	0,52	1	1	0,00082
		Chlorothalonil	27	1,61		0,016	0,01		0,016	0,52	1	1	0,00151
		Clothianidin	27	1,09		0,011	0,01		0,011	0,52	1	1	0,00091
		Ethephon	27	3,29		0,033	0,01		0,033	0,52	1	1	0,00416
		Ethirimol	27	0,88		0,009	0,01		0,009	0,52	1	1	0,00070
		Fenpyroximate	27	1,00		0,010	0,01		0,010	0,52	1	1	0,00082
		Flubendiamide	27	1,07		0,011	0,01		0,011	0,52	1	1	0,00089
		Fluopyram (RD)	27	1,43		0,014	0,01		0,014	0,52	1	1,1	0,00142
		Formetanate	27	0,95		0,009	0,01		0,009	0,52	1	1	0,00077
		Fosthiazate	27	0,88		0,009	0,01		0,009	0,52	1	1	0,00070
		Spiromesifen	27	1,32		0,013	0,01		0,013	0,52	1	1	0,00116
Rice	2013	Azoxystrobin	32	1		0,010	0,01		0,014	1	1	1	0,00369
	2013 + 2014	Deltamethrin	32	2		0,140	0,01	0,103	0050	1	1	1,25	0,02426
		Isoprothiolan	32	3		0,100	0,02	0,054	0023	1	1	1	0,01721
		Permethrin (sum)	32		1	0,030	0,01	0,030	0016	1	1	1	0,00514
		Tebuconazol	32	2		0,012	0,01	0,011	0014	1	1	1	0,00433
	2014	Acephat	32		1	0,013	0,06	0,013	0010	1	1	1	0,01552
		Bromid	17	2	1	34,000	3	24,000	7498	1	1	1	7,49841
		Buprofezin	32	5		0,050	0,01	0,042	0016	1	1	1	0,01067
		Hexaconazol	32		1	0,014	0,01	0,014	0010	1	1	1	0,00295
		Imidacloprid	32	1		0,020	0,01	0,020	0013	1	1	1	0,00416
		Methamidophos	32		1	0,016	0,01	0,016	0010	1	1	1	0,00306
		Pirimiphos-methyl	32	1		0,028	0,01	0,028	0030	1	1	1	0,00885
		Propanil	32	1		0,011	0,01	0,011	0010	1	1	1	0,00297
		Propiconazol	32	6		0,036	0,01	0,019	0015	1	1	1	0,00749
		Thiamethoxam (sum)	32	1		0,012	0,01	0,012	0012	1	1	1	0,00348
		Tricyclazole	32	12		0,120	0,01	0,050	0025	1	1	1	0,02514
	EU	Biphenyl	32	0,99		0,010	0,01		0,010	1	1	1	0,00291
		Chlorantraniliprole	32	1,01		0,010	0,01		0,010	1	1	1	0,00298
		Clothianidin	32	0,98		0,010	0,01		0,010	1	1	1	0,00285
		Pyrethrins	32	2,89		0,029	0,02		0,029	1	1	1	0,01778
Aubergine	2014	Azoxystrobin	15	1		0,039	0,01	0,039	0011	1	1	1	0,00962
		Cyprodinil	15	3		0,120	0,01	0,057	0014	1	1	1	0,02035
		Fludioxonil	15	1		0,070	0,01	0,070	0013	1	1	1	0,01333
		Imidacloprid	15	2		0,037	0,01	0,026	0015	1	1	1	0,01300
		Propamocarb	15	2		0,050	0,01	0,030	0012	1	1	1	0,01147
		Propoxur	15	1		0,020	0,01	0,020	0011	1	1	1	0,00810
		Pyrimethanil	15	1		0,040	0,04	0,041	0014	1	1	1	0,03938
	EU	Abamectin	15	0,87		0,009	0,01		0,009	1	1	1	0,00610
		Chlorantraniliprole	15	0,94		0,009	0,01		0,009	1	1	1	0,00665
		Chlorothalonil	15	1,28		0,013	0,01		0,013	1	1	1	0,00933
		Ethirimol	15	0,87		0,009	0,01		0,009	1	1	1	0,00611
		Fluopyram (RD)	15	0,91		0,009	0,01		0,009	1	1	1,1	0,00707
		Folpet	15	0,98		0,010	0,01		0,010	1	1	1	0,00694
		Formetanate	15	0,90		0,009	0,01		0,009	1	1	1	0,00635
		Spiromesifen	15	0,98		0,010	0,01		0,010	1	1	1	0,00697
Spinach	2013 + 2014	Cyhalothrin, lambda-	19	3		0,150	0,01	0,081	0017	0,73	1	1	0,01006
		Cypermethrin (sum)	19	2		0,110	0,01	0,066	0033	0,73	1	1	0,00645
	2014	Boscalid	19	5		0,240	0,01	0,096	0071	0,73	1	1	0,02132
		Deltamethrin	19	1		0,060	0,01	0,059	0022	0,73	1	1,25	0,00401
		Etofenprox	19	2		1000	0,01	0,678	0027	0,73	1	1	0,05321
		Imidacloprid	19	1		0,025	0,01	0,025	0011	0,73	1	1	0,00142
		Indoxacarb (sum)	19	1		0,400	0,04	0,459	0020	0,73	1	1	0,02101
		Propamocarb	19	4		9000	0,01	5143	0,290	0,73	1	1	0,80243
		Cyhalothrin, lambda-	19	3		0,150	0,01	0,081	0017	0,73	1	1	0,01006
		Cypermethrin (sum)	19	2		0,110	0,01	0,066	0033	0,73	1	1	0,00641
	EU	Biphenyl	19	0,99		0,010	0,01		0,010	0,73	1	1	0,00079
		Chlorantraniliprole	19	1,27		0,013	0,01		0,013	0,73	1	1	0,00115
		Chlorothalonil	19	1,09		0,011	0,01		0,011	0,73	1	1	0,00091
		Clothianidin	19	1,06		0,011	0,01		0,011	0,73	1	1	0,00087
		Dodine	19	2,06		0,021	0,01		0,021	0,73	1	1	0,00250
		Fluopyram	19	0,95		0,010	0,01		0,010	0,73	1	1,1	0,00082
		Folpet	19	2,55		0,026	0,01		0,026	0,73	1	1	0,00357
		Pyrethrins	19	3,54		0,035	0,01		0,035	0,73	1	1	0,00630
		Terbutylazine	19	1,42		0,014	0,01		0,014	0,73	1	1	0,00138
Tea	2013	2,4-D (sum)	2	1		0,024	0,024	0,024	0036	1	1	1	0,01246

		Ethion	2	1		0,060	0,01	0,060	0065	1	1	1	0,00937
		Mecoprop (sum)	2	1		0,021	0,01	0,021	0026	1	1	1	0,00375
	2013 + 2014	Carbendazim (incl. benomyl)	34	2		0,050	0,01	0,031	0071	1	1	1	0,01212
	2014	Fenhexamid	34	1		0,012	0,01	0,012	0022	1	1	1	0,00348
		Metalaxyl (sum)	34	1		0,026	0,01	0,026	0036	1	1	1	0,00591
		Oxadixyl	34	1		0,110	0,01	0,112	0122	1	1	1	0,02084
		Acetamiprid	34	3		0,033	0,01	0,021	0071	1	1	1	0,01211
		Buprofezin	34	2		0,016	0,01	0,014	0036	1	1	1	0,00604
		Imidacloprid	34	2		0,060	0,01	0,034	0077	1	1	1	0,01316
		Metamitron	34	1		0,040	0,04	0,042	0081	1	1	1	0,04786
		Thiacloprid	34	1		0,012	0,01	0,012	0021	1	1	1	0,00343
Head cabbage	2013	Boscalid	9	3		0,250	0,01		0,012	0,61	1	1	0,00704
		Pyraclostrobin	9	1		0,060	0,01		0,010	0,61	1	1	0,00588
	2014	Propamocarb	14	1		0,080	0,01		0,011	0,61	1	1	0,00683
		Imidacloprid	14	1		0,032	0,01		0,010	0,61	1	1	0,00607
	EU	Biphenyl				0,010	0,01		0,010	0,61	1	1	0,00593
		Chlorantraniliprole				0,009	0,01		0,009	0,61	1	1	0,00543
		Chlorothalonil (RD)				0,015	0,01		0,015	0,61	1	1	0,00900
		Fluopyram (RD)				0,009	0,04		0,009	0,61	1	1,1	0,00610
Raisin	2013	Fenhexamid	5	1		0,015	0,01	0	0,010	1	1	1	0,01000
		Iprodion	5	1		0,130	0,04	0	0,040	1	1	1	0,04000
		Permethrin (sum)	5	1		0,110	0,01	0	0,010	1	1	1	0,01000
		Pyraclostrobin	5	1		0,017	0,01	0	0,010	1	1	1	0,01000
		Quinoxifen	5	1		0,011	0,01	0	0,010	1	1	1	0,01000
		Tebuconazol	5	1		0,011	0,01	0	0,010	1	1	1	0,01000
		Trifloxystrobin	5	2		0,033	0,01	0,000	0010	1	1	1	0,01000
	2013 + 2014	Boscalid	1	1		0,015	0,01	0,015	0015	1	1	1	0,01500
dried corn	2014	Deltamethrin	4	2		0,800	0,01	0,546	0278	1	1	1	0,27800
		Dichlorvos	4		1	1500	0,01	1,5	0,383	1	1	1	0,38250
		Malathion (sum)	4	1		0,080	0,01	0,08	0,028	1	1	1	0,02750
Champignon	2013 + 2014	Mepiquat	17	1		0,014	0,01		0,010	1	1	1	0,01024
(Danish and imported)	2014	Carbendazim (incl. benomyl)	17	1		0,036	0,01		0,012	1	1	1	0,01153
		Prochloraz (sum)	17	5		0,060	0,01	0,032	0017	1	1	1	0,01653
Pasta	2013	Chlormequat	6	2		0,007	0005	0	0,005	1	1	1	0,00500
	2014	Cypermethrin (sum)	16	1		0,012	0,01		0,010	1	1	1	0,01013
		Deltamethrin	16	2		0,022	0,01	0,018	0011	1	1	1	0,01094
		Glyphosat	16	1		0,070	0,05		0,051	1	1	1	0,05125
		Pirimiphos-methyl	16	7		0,370	0,01	0,108	0053	1	1	1	0,05275
Wheat (wheat, kernels, flour, whole meal flour)	2013	Chlorpyrifos-methyl	24	0		0,029	0,01		0,015	0,32	1	1	0,00243
		Deltamethrin	24	0		0,021	0,01		0,017	0,32	1	1	0,00275
		Propham	24	0		0,010	0,01		0,011	0,32	1	1	0,00180
	2013 + 2014	Chlormequat	24	10		0,370	0005	0,0922	0,033	0,32	1	1	0,01486
		Cypermethrin (sum)	24	3		0,014	0,01	0,012	0016	0,32	1	1	0,00316
		Glyphosat	24	1		0,220	0,05	0,217	0056	0,32	1	1	0,04866
		Tebuconazol	24	2		0,012	0,01	0,012	0012	0,32	1	1	0,00225
		Mepiquat	24	1		0,010	0,01	0,010	0015	0,32	1	1	0,00251
		Pirimiphos-methyl	24	1		0,022	0,01	0,022	0025	0,32	1	1	0,00445
	2014	Boscalid	24	1		0,027	0,01	0,027	0011	0,32	1	1	0,00220
	EU	Biphenyl	24	0,99		0,010	0,01		0,010	0,32	1	1	0,00175
		Chlorothalonil	24	1,23		0,012	0,01		0,012	0,32	1	1	0,00221
Rye (flour, kernels, flakes)	2013	Tebuconazol	7	0		0,010	0,01		0,012	0,13	1	1	0,00066
	2014	Chlormequat	7	4		0,380	0005	0,2445	0,071	0,13	1	1	0,02052
		Glyphosat	7	1		0,130	0,05	0,132	0053	0,13	1	1	0,01661
		Mepiquat	7	1		0,007	0005	0,007	0027	0,13	1	1	0,00084
		Pirimiphos-methyl	7	1		0,080	0,01	0,076	0037	0,13	1	1	0,00343

Appendix 3. Acceptable Daily Intake (ADI) values

Pesticide	ADI (mg/kg bw/day)	Source
2,4 D	0.05	Reg. (EU) 2015/2033
Abamectin	0.0025	Dir 08/107

Acephat	0.01	No data found ^a
Acetamiprid	0.07	04/99/EC
Aclonifen	0.07	Dir 08/116
Acrinathrin	0.01	EFSA 2013
Aldrin + dieldrin (sum)	0.0001	JMPR 1994
Alpha-Cypermethrin	0.015	Dir 04/58
Aminopyralid	0.26	EFSA 2013
Amitraz	0.003	SCoFCAH 4.7.03
Asulam	0.36	EFSA 10
Azoxystrobin	0.2	EFSA 2010
Bentazone	0.1	Dir 00/68
Bifenazate	0.01	05/58/EC
Bifenthrin	0.015	EFSA 11
Biphenyl	0.038	WHO1999
Boscalid	0.04	08/44/EC
Bromid	1	JMPR 1988
Bromoxynil	0.01	Dir 04/58
Bupirimat	0.05	EFSA 10
Buprofezin	0.01	EFSA 10
Captan	0.1	Dir 07/5
Carbaryl	0.0075	EFSA 06
Carbendazim (incl. benomyl)	0.02	Dir 06/135
Carbosulfan	0.005	EFSA 09
Carfentrazon-ethyl	0.03	03/68/EC
Chlorantraniliprole	1.56	EFSA 2013
Chlormequat	0.04	EFSA 2008
Chlorobenzilate	0.02	JMPR 1980
Chlorothalonil	0.015	Dir 05/53
Chlorpropham	0.05	Dir 04/20
Chlorpyrifos	0.001	EFSA 2014
Chlorpyrifos-methyl	0.01	Dir 05/72
Clodinafop	0.003	Dir 06/39
Clofentezin	0.02	Dir 08/69
Clomazone	0.133	Dir 07/76
Clopyralid	0.15	Dir 06/64
Clothianidin	0.097	06/41/EC
Cyazofamid	0.17	03/23/EC
Cycloxydim	0.07	EFSA 10
Cyfluthrin	0.003	Dir 03/31
Cyhalothrin	0.005	EMEA 2001
Cymoxanil	0.013	EFSA 08
Cypermethrin	0.05	Dir 05/53
Cyproconazol	0.02	11/56/EU
Cyprodinil	0.03	Dir 06/64
Cyromazin	0.06	Dir 09/77
DDT	0.01	JMPR 2000
Deltamethrin	0.01	Dir 03/5
Desmedipham	0.03	Dir 04/58
Diazinon	0.0002	EFSA 06
Dichlorvos	0.00008	EFSA 06 (tentative value)
Dicofol	0.002	JMPR 1992
Difenoconazole	0.01	Dir 08/69
Diflubenzuron	0.1	EFSA 2010
Diflufenican	0.2	Dir 08/66
Dimethoat	0.001	EFSA 2013
Dimethomorph	0.05	Dir 07/25
Dinocap	0.004	Dir 06/136
Diphenylamin	0.075	EFSA 08
Diquat	0.002	Dir 01/21
Dithianon	0.01	11/41/EU
Dithiocarbamater	0.006	Dir 03/81
Dodine	0.1	EFSA 10
Epoxiconazole	0.008	Dir 08/107
Ethephone	0.03	Dir 06/85
Ethion	0.002	JMPR 1990
Ethirimol	0.035	EFSA 2014

Ethofumesate	1.0	Reg. (EU) 2016/1426
Ethoprophos	0.0004	EFSA 06
Etofenprox	0.03	EFSA 08
Famoxadon	0.012	02/64/EC
Fenamidone	0.03	03/68/EC
Fenazaquin	0.005	EFSA 2013
Fenbuconazol	0.006	EFSA 10
Fenbutatin oxide	0.05	EFSA 10
Fenhexamide	0.2	Reg. (EU) 2015/1201
Fenoxaprop-p	0.01	Dir 08/66
Fenpropathrin	0.03	JMPR 1993, 2012
Fenpropidin	0.02	Dir 08/66
Fenpropimorph	0.003	EFSA 08
Fenpyroximate	0.01	EFSA 2013
Fenvalerat	0.0125	EMEA
Fipronil	0.0002	EFSA 06
Fonicamid	0.025	2010/29/EU
Florasulam	0.05	Reg. (EU) 2015/1397
Fluazinam	0.01	Dir 08/108
Flubendiamide	0.017	EFSA 2013
Fludioxonil	0.37	Dir 07/76
Flufenoxuron	0.01	EFSA 11
Fluopyram	0.012	EFSA 2013
Fluopyram	0.012	EFSA 2013
Flupyrsulfuron-methyl	0.035	01/49/EC
Fluroxypyr	0.8	Dir 00/10
Flusilazol	0.002	Dir 06/133
Flutriafol	0.01	11/42/EU
Flutriafol	0.01	11/42/EU
Folpet	0.1	Dir 07/5
Formetanate	0.004	Dir 07/5
Fosetyl	3	Dir 06/64
Fosthiazate	0.004	03/84/EC
Glufosinate	0.021	Dir 07/25
Glyphosate	0.3	Dir 01/99
Imazalil	0.025	EFSA 2010
Imidacloprid	0.06	Dir 08/116
Indoxacarb	0.006	06/10/EC
Iodosulfuron	0.03	03/84/EC
Ioxynil	0.005	Dir 04/58
Iprodion	0.06	Dir 03/V92
Iprovalicarb	0.015	Reg. (EU) 2016/147
Isoprothiolan	0.1	EFSA 2012
Kresoxim-methyl	0.4	Commission 2011
Lambda-Cyhalothrin	0.0025	Reg. (EU) 2016/146
Lambda-cyhalotrin	0.0025	Reg. (EU) 2016/146
Linuron	0.003	Dir 03/31
Malathion	0.03	EFSA 06
Maleic-Hydrazide	0.25	Dir 03/31
Mancozeb	0.05	Dir 05/72
Mandipropamid	0.15	EFSA 2012
MCPA	0.05	SCoFCAH July 08
Mecoprop	0.01	Dir 03/70
Mepanipyrim	0.02	04/62/EC
Mepiquat	0.2	Dir 08/108
Mesosulfuron	1	03/119/EC
Mesotrion	0.01	03/68/EC
Metalaxyl	0.08	2010/28/EU
Metamitron	0.01	03/68/EC
Methidathion	0.001	JMPR 1997
Methiocarb	0.013	Dir 07/5
Methoxyfenozyd	0.1	05/3/EC
Metrafenone	0.25	07/6/EC
Metsulfuron-Methyl	0.22	Reg. (EU) 2016/139
Milbemectin	0.03	05/58/EC
Myclobutanil R	0.025	EFSA 10

Omethoat	0.0003	EFSA 2013
Oxadixyl	0.01	EFSA 2012
Penconazol	0.03	Dir 09/77
Pencycuron	0.2	11/49/EU
Pendimethalin	0.125	EFSA 2016
Permethrin	0.05	EFSA 2016
Phenmedipham	0.03	Dir 04/58
Phenylphenol	0.4	EFSA 08
Phosmet	0.01	Dir 07/25
Pirimicarb	0.035	Dir 06/39
Pirimiphos-methyl	0.004	EFSA 05
Prochloraz	0.01	EFSA 11
Procymidon	0.0028	DAR 07
Prohexadione	0.2	EFSA 2010
Propamocarb	0.29	Dir 07/25
Propamocarb	0.24	EFSA 2013
Propanil	0.02	EFSA 11
Propaquizafop	0.015	EFSA 2008
Propargit	0.01	EFSA 11
Propham	0.05	EC 2003
Propiconazole	0.04	Dir 03/70
Propoxur	0.02	JMPR 1989
Propyzamid	0.02	Dir 03/39
Proquinazid	0.01	EFSA 09
Prosulfocarb	0.005	Dir 07/76
Prothioconazole	0.01	08/44/EC
Pymetrozine	0.03	01/87/EC
Pyraclostrobin	0.03	04/30/EC
Pyrethrins	0.04	EFSA 2013
Pyridaben	0.01	EFSA 10
Pyrimethanil	0.17	Dir 06/74
Pyriproxyfen	0.1	Dir 08/69
Pyroxylam	0.9	EFSA 2013
Quinoxifen	0.2	04/60/EC
Rimsulfuron	0.1	Dir 06/39
Spinosad	0.024	07/6/EC
Spiromesifen	0.03	EFSA 07
Spirotetramat	0.05	EFSA 2013
Spiroxamin	0.025	EFSA 2010
Sulfosulfuron	0.24	EFSA 2014
Sulphur	N.A.	EFSA 2008
Tau-fluvalinate	0.005	EFSA 2010
Tebuconazole	0.03	EFSA 2008
Tebufenpyrad	0.01	Dir 09/11
Tefluthrin	0.005	EFSA 10
Tepraloxydim	0.025	05/34/EC
Terbutylazine	0.004	EFSA 11
Tetradifon	0.01	No data found ^a
Thiabendazol	0.1	Dir 01/21
Thiacloprid	0.01	04/99/EC
Thiamethoxam	0.026	07/6/EC
Thifensulfuron	0.01	Reg. (EU) 2016/1424
Thifensulfuron-Methyl	0.01	Reg. (EU) 2016/1424
Thiophanat-methyl	0.08	Dir 05/53
Tolclophos-Methyl	0.064	Dir 06/39
Triadimefon	0.03	JMPR 2004
Triadimenol	0.05	EFSA 08
Tribenuron	0.01	Dir 05/54
Tricyclazole	0.01	Reg. (EU) 2016/1826
Trifloxystrobin	0.1	03/68/EC
Triflumuron	0.014	EFSA 11
Triflusulfuron-Methyl	0.04	Dir 09/77
Trinexapac	0.32	Dir 06/64
Vinclozolin	0.005	SCoFCAH Mar 06

^a No data found: ADI surrogate 0,01 mg/kg bw/day used.

Appendix 4. Processing factors

Commodity	Processing	Active Substance	Processing Factor	Source
Barley	Malting	Epoxiconazole	0.59	EFSA Scientific Report (2008) 138.1–80. Conclusion on the peer review of epoxiconazole
		Tebuconazole	0.51	EFSA Journal 2011;9(8):2339
		Trinexapac	0.7	EFSA Journal 2012;10(1):2511
		Azoxystrobin	0.19	EFSA Journal 2013;11(12):3497
		Boscalid	0.48	EFSA Journal 2014;12(7):3799
		Pyraclostrobin	1.2	EFSA Journal 2011;9(8):2344
		Tebuconazole	0.51	JMPR 2011
		Cypermethrins	0.66	JMPR 2009
		Banana	Peeling	Azoxystrobin
Buprofezin	0,05			http://www.fao.org/fileadmin/templates/agphome/documents/Pests_Pesticides/JMPR/Evaluation12/Buprofezin.pdf
Bifenthrin	0,1			http://www.fao.org/fileadmin/templates/agphome/documents/Pests_Pesticides/JMPR/Evaluation10/Bifenthrin.pdf
Fenpropimorph	0,33			EFSA Journal 2015;13(3):4050
Imazalil	0,08			EFSA Journal 2010; 8(3):1526
Orange		Imidacloprid	0,31	EFSA Scientific Report (2008) 148, 1-120
		Propiconazol	0,01	EFSA Journal 2015;13(1):3975
		Pyraclostrobin	0,14	EFSA Journal 2011;9(8):2344
		Tebuconazol	0,14	EFSA Journal 2011;9(8):2339
		Imazalil	0,07	EFSA Journal 2010; 8(3):1526
Mandarin Clementine				
Melon		Imidacloprid	0,31	EFSA Scientific Report (2008) 148, 1-120
Watermelon		Imidacloprid	0,31	EFSA Scientific Report (2008) 148, 1-120
Grapefruit		Imidacloprid	0,31	EFSA Scientific Report (2008) 148, 1-120
		Imazalil	0,13	EFSA Journal 2010; 8(3):1526
		Pyraclostrobin	0,14	EFSA Journal 2011;9(8):2344
Citrus Melon		thiabendazole thiophanate-methyl carbendazim benomyl	0,25	Pesticide Residues, Results from the period 2004–2011 2013, NFI Available at: www.food.dtu.dk
		Watermelon		All other pesticides
Banana				Available at: www.food.dtu.dk

Transparency document

Transparency document related to this article can be found online at <http://dx.doi.org/10.1016/j.fct.2017.11.020>.

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