



**EU PROFICIENCY TEST
EUP-T-SRM17, 2022**

**Residues of Pesticides
Requiring Single Residue Methods
Test Item: Tomato Homogenate**

Preliminary Report

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General Remarks

- All assigned values (AVs), robust standard deviations (CV*s) and z-scores presented in the following are **preliminary**. These figures may slightly shift in the EUPT-SRM17 final report, which will be drafted following the evaluation of the results by the EUPT-Scientific Committee and the joint EURL/NRL-Workshop.
- All labs are kindly requested to check their results carefully and to **report any errors**. However, **only transcription errors by the organizers can be considered at this stage**.
- In case of poor performance, i.e. questionable or unacceptable results (abs. z-score > 2 incl. false negatives) or false positive results, participants are provided with an additional **excel-file attached to this e-mail. Please use this file and the dropdown options to report your feedback for poor performance to the organizers by 30 April, 2022**. There you can briefly state the possible reasons for the poor performance, the follow-up actions undertaken, and any new results generated, if the PT-material was re-analysed by an improved procedure.

Background

The proficiency test EUPT-SRM17 was conducted using tomato homogenate as commodity for the test item. To prepare the test item the EURL-FV in Almeria, Spain, was subcontracted to cultivate tomato and apply selected pesticides in the field. After harvesting, the tomato was homogenized then quickly placed in a freezer and finally dispatched deeply frozen to the EURL-SRM in Stuttgart, Germany, for further processing. This material contained 9 pesticides on the target pesticides list and a few other pesticides not within the scope of the EUPT-SRM17. The concentrations of 4 of the incurred analytes of interest were considered too low for the proficiency test, therefore these and additional 8 selected compounds were spiked to the test material. An overview of the pesticides spiked to the test material is shown in **Table 1**. In addition, a small amount of ascorbic acid and citric acid were also added to the material in order to avoid degradation of a few sensitive analytes. After spiking and homogenization, the mixture was portioned into pressure lock plastic bags and frozen at -20 °C in thin layers for 2 days. The frozen tomato “layers” were cryogenically milled using dry ice and filled into the bottles in a snow-like state. Approximately 350 g portions of the tomato “snow” were weighed-out into labelled and leak-proof screw-capped polyethylene plastic bottles, sealed and stored in a freezer at about -20 °C until packaging on the shipment day for the distribution to participants.

Table 1: Analytes present in the SRM17 test material and their application history

| Analytes | Residues contained in Tomato | Spiked in Lab | Compounds applied in lab |
|---------------------------------|------------------------------|---------------|--------------------------|
| Captan | Yes | Yes | Captan |
| Chlorothalonil | Yes | | |
| Cyromazine | | Yes | Cyromazine |
| Dithiocarbamates (expr. as CS2) | | Yes | Metiram (Celafor) |
| Dodine | | Yes | Dodine |
| Emamectin B1a | Yes | Yes | Emamectin benzoate |
| Folpet | Yes | Yes | Folpet |
| Phthalimide | Yes | Yes | Phthalimide |
| Pymetrozine | Yes | | |
| THPI | Yes | | |
| Bifenazate (sum) | Yes | | |
| Chloridazon-desphenyl | | Yes | Chloridazon-desphenyl |
| ETU | | Yes | ETU |
| Formetanate-HCl | | | |
| Maleic hydrazide | | Yes | Maleic hydrazide |
| Meptyldinocap | | Yes | Meptyldinocap |
| 2,4-DNOP (free phenol) | | Yes | 2,4-DNOP (free phenol) |
| Oxymatrine | | Yes | Oxymatrine |

Testing and shipment of EUPT-SRM17 Material

In the morning of 31.01.2022, the day of shipment, one deeply frozen test item was packed into insulated boxes together with 2.5 kg dry ice. The boxes were stored in the freezer until they were picked up by DHL in the afternoon.

Using an online submission tool, the participants were able to submit their results by 08 March, 2022¹. The requested methodology information for tentatively false negative results was to be submitted by 17 March, 2022.

10 bottles of the test item were selected randomly and tested for homogeneity. Furthermore, the stability of the pesticides within the test material was checked during a period encompassing the EUPT duration.

Result Evaluation

In total, 118 OfLs (incl. NRLs) from EU and EFTA countries as well as 2 laboratories from an EU candidate countries and 3 laboratories from three third countries analysed at least one compound and submitted their result. For the calculation of the **preliminary assigned values** only the results submitted by the 118 OfLs from EU member states and EFTA countries were considered.

Since the results distribution of **methylidinocap** and **methylidinocap (sum)** was very broad and the number of the numerical results for **2,4-DNOP (free phenyl)** was not sufficient for a reliable statistical evaluation, the theoretical spiking levels of these three compounds were designated as the preliminary assigned values and used to calculate the z-scores. These z-scores are for informative purpose only and displayed in italic letters in **Table 3**. Following a detailed evaluation of the method information and other aspects, the EUPT-Scientific Committee will decide on how to deal with these compounds in the final report.

In the EUPT-SRM17 exercise, the overall distribution of the **phthalimide (PI)** results was relatively broad (CV* 36.8%). Knowing about the difficulty of accurately quantifying PI in the presence of its parent folpet, especially when GC-techniques are used, a relatively broad distribution of the PI results was indeed anticipated. As the distribution of the participants' results was not strongly distorted and the uncertainty of the robust mean was clearly within the established limits (UAV-test), the robust mean 0.134 mg/kg was taken as the preliminary assigned value. Unfortunately, we overlooked at this stage, that all LC-based results submitted by the participants for PI and our own LC-MS/MS result were towards the low side of the distribution (negative z-scores using the prAV). Due to the overwhelmingly high share of GC-based results within the total population (73 out of 83), and due to the broad distribution of the GC-results themselves, the slight indications of bimodality in the result distribution remained unnoticed at this stage.

As already described in the [Final Report on SRM12](#) and in our analytical observation report ([Report SRM-07 \(GC\)](#), [Report SRM-42 \(LC\)](#)), PI is generated via the thermal decomposition of folpet during GC-injection, and this may lead to overestimated PI results if this effect is not properly considered in calibration. This overestimation tends to be stronger the higher the levels of the intact parent compound (folpet) are. In parallel, the decomposition of folpet would theoretically lead to underestimated results, however here the losses are mostly well and straightforwardly compensated by the labs, by using a calibration that corrects for matrix effects (e.g. matrix-matched, procedural, standard addition, ILIS-based). In the case of PI, compensating for the increased signal is not straightforward, as the obtained PI signal entails the signal share of the initial PI in the extract and the signal share of the PI formed during folpet decomposition in the injector (see [Report SRM-07 \(GC\)](#)). Labs not considering this aspect are probably to have overestimated the PI-concentration.

The new preliminary AV of 0.098 mg/kg was derived from the PI concentration measured in the sample homogenate prior to spiking and the PI amount spiked to the sample during homogenization, taking into account that folpet remained stable during a simulated homogenization and homogenate storage step. The new AV is close to the result obtained by the Organizers in the homogeneity test (0.093 mg/kg) and, furthermore, close to the robust mean of the population of results derived from LC-based measurements (including the EURL-SRM value).

In the case of THPI this effect was much less pronounced as the ratio of parent (captan) to degradant (THPI) was much smaller. Therefore no changes in the assigned value of THPI are being introduced here.

¹ The submission deadline were shifted from 1 March to 8 March due to some difficulties in the data collection using the webtool.

A summary of the preliminary assigned values and CV* is shown in **Table 2**.

False positives (FPs): Among the results received from EU/EFTA-OfLs, 4 results submitted by 3 laboratories (one each for BAC-C12 (chloride), DDAC-C10 (chloride), matrine and paraquat (dication)) were **preliminarily judged as FPs**. All of them were optional analytes. 6 EU/EFTA-OfLs and one 3rd country laboratory reported numerical results for TFNG, two of them in the range between MRRL and 2× MRRL, the other 5 were equal to or lower than the MRRL and lab's RL. Since TFNA was present in trace amount in the test material, all these 7 results were not judged as FP. Although TFNA was also present in trace amount in the test material, the numerical result for TFNA reported by one 3rd country laboratory was 10 times higher than the MRRL and thus judged as FP. All these results are listed in **Table 4**.

False negatives (FNs): 26 EU/EFTA-OfLs reported in 35 cases results that were **preliminarily judged as FN**s. These concerned compounds that were present in the test item at relevant levels and were analysed by the labs without reporting any numeric results. In 34 cases, the assigned values are higher than the laboratories' RL, therefore, they were judged as FN. For these results z-scores were calculated using the corresponding MRRL in the target pesticide list or the RL, if this was lower. The FN results concerned the following analytes: Chloridazon-desphenyl (7x), 5 cases each for captan, phtahlimid and formetanate-HCl, meptyldinocap (3x), two cases each for 2,4-DNOP (free phenol) and dithiocarbamates, and one case each for chlorothalonil, ETU, folpet, maleic hydrazide and pymetrozine. In one case, Lab 66 that had targeted captan reported a negative result with its RL being higher than the assigned value. This result was preliminarily judged as a false negative result. The final decision will be made after consulting with the Scientific Committee.

Two laboratories from 3rd countries received three tentatively false negative results: one case each for captan, formetanate-HCl and chlorothalonil.

All submitted results of pesticides contained in the test material at relevant levels are shown in **Table 3**. This table also contain results of **participating laboratories settled outside the EU/EFTA-countries**. In all these cases the z-scores were calculated using the same assigned values as for the EU/EFTA-OfLs.

Feedback on Poor Performance:

Laboratories having obtained poor results (i.e. abs. z-scores >2, incl. false negatives, or false positives), are urged to initiate actions for tracing back the sources of errors.

A brief summary of these actions should be reported to the EURL-SRM by 30 April, 2022.

Please use the Excel-file attached to the E-mail with the preliminary protocol.

Table 2: Preliminary evaluation of EUPT-SRM17 results in summary**Mandatory Compounds:**

| Analyte | Captan | Chlorothal- nil | Cyromazine | Dithio- carbamates (expr. as CS2) | Dodine | Emamectin B1a | Folpet | Phthalimide | Pymetrozine | THPI |
|-----------------------------------|--------------|--------------------|--------------|---|--------------|------------------|--------------|--------------------------|--------------|--------------|
| MRRL [mg/kg] | 0.02 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 |
| No. of numerical results | 84 | 102 | 92 | 97 | 96 | 91 | 89 | 78 | 100 | 80 |
| therein Outliers | 5 | 1 | 0 | 2 | 0 | 2 | 2 | 7 ⁴ | 1 | 1 |
| No. of FNs | 6 | 1 | 0 | 2 | 0 | 0 | 1 | 5 | 1 | 0 |
| Prelim. Assigned Value [mg/kg] | 0.172 | 0.151 | 0.154 | 0.187 | 0.100 | 0.046 | 0.249 | 0.098⁴ | 0.150 | 0.590 |
| CV* | 34.2% | 24.4% | 20.3% | 28.4% | 23.1% | 21.5% | 34.5% | 51.5%⁴ | 28.2% | 23.2% |

Optional Compounds:

| Analyte | Bifenazate (sum) | Chloridazon- desphenyl | ETU | Formetanate- HCl | Maleic hydrazide | Oxymatrine | 2,4-DNOP (free phenol) | Meptyldinocap | Meptyldinocap (sum) |
|-----------------------------------|---------------------|---------------------------|--------------|---------------------|---------------------|--------------|---------------------------|--------------------------|--------------------------|
| MRRL [mg/kg] | 0.03 | 0.02 | 0.01 | 0.01 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 |
| No. of numerical results | 59 | 25 | 18 | 76 | 46 | 36 | 13 | 25 | 16 |
| therein Outliers | 2 | 1 | 0 | 7 | 0 | 0 | 2 | 12 ¹ | 1 |
| No. of FNs | 0 | 7 | 1 | 5 | 1 | 0 | 2 | 3 | 0 |
| Prelim. Assigned Value [mg/kg] | 0.296 | 0.061 | 0.063 | 0.873 | 0.544 | 0.198 | 0.056² | 0.100² | 0.169² |
| CV* | 26.0% | 27.4% | 33.1% | 25.5% | 16.6% | 22.4% | 45.1%³ | 54.6%³ | 50.5%³ |

¹: Based on spiking level as assigned value, 12 results obtained z-score > 5. When applying robust statistics and excluding results with z-scores >5, these 12 results were iteratively identified as outliers, too.

²: Spiking levels were set as the assigned value and used to calculate the z-scores for the corresponding compounds in this preliminary report.

³: These "CV*" (RSD) were calculated based on the spiking level as AV and after eliminating the results identified as outliers.

⁴: Sum of the Spiking and the incurred level was set as the assigned value and used to calculate the z-scores for the corresponding compounds in the 2nd Version of the Preliminary Report from 09.06. Based on this assigned value, 7 results obtained z-score > 5.

Table 3: Results reported by the participants for 10 compulsory and 9 optional analytes present in EUPT-SRM17
 Participating laboratories based in countries outside the EU/EFTA zone are listed at the bottom of the table.

Table Legend:

- Compulsory analytes are written in blue, optional analytes in green. Analytes written in grey: The spiking levels were set as assigned values and the calculated z-scores were for informative purpose only and not included in the Prel. AAZ calculation.
- FN: Result preliminarily judged as a false negative (i.e. the analyte was present in the test sample at a relevant concentration with no quantitative result being reported by the lab)
- FN*: analysed a compound present in the test material but not detected due to labs RL > AV
- (o): Preliminary outliers (not involved in the establishment of prAVs).
- Prel. AAZ: preliminary average of absolute z-scores of mandatory or optional analytes (excluding 2,4-DNOP (free phenol), meptyldinocap and methyl dinocap (sum)) for more than 4 results. Prel.AAZ-values >1.2 are highlighted in bold as they indicate that the average absolute bias is >30%.
- Cat.: Categorization of labs based on scope. Cat A was assigned to labs that have analysed and correctly found 9 out of the 10 compulsory analytes present in the sample and have analysed at least 15 out of the 17 compulsory analytes listed in the Target Pesticides List and have not reported any false positive results within the compulsory analytes.

| Lab code | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|----------|-----|------------------------------|--------------|--------------|--------------|---------------|------------|
| 3 | B | Captan | 0.172 | 34.2% | FN | -3.5 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.150 | 0.0 | |
| | | Cyromazine | 0.154 | 20.3% | 0.172 | 0.5 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.173 | -0.3 | |
| | | Dodine | 0.100 | 23.1% | 0.086 | -0.6 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.038 | -0.7 | |
| | | Folpet | 0.249 | 34.5% | 0.218 | -0.5 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.187 | 1.0 | |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | FN | -3.5 | n.c. |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.330 | -1.6 | |
| 4 | A | Captan | 0.172 | 34.2% | 0.199 | 0.6 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.164 | 0.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.177 | 0.6 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.157 | -0.6 | |
| | | Dodine | 0.100 | 23.1% | 0.0973 | -0.1 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0387 | -0.6 | |
| | | Folpet | 0.249 | 34.5% | 0.309 | 1.0 | |
| | | Phthalimide | 0.098 | 51.5% | 0.190 | 3.8 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.165 | 0.4 | |
| | | THPI | 0.590 | 23.2% | 0.690 | 0.7 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.266 | -0.4 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | FN | -4.0 | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.0842 | -0.6 | |
| 5 | B | Captan | 0.172 | 34.2% | 0.34 | 3.9 | 1.5 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.152 | 0.0 | |
| | | Cyromazine | 0.154 | 20.3% | 0.145 | -0.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.216 | 0.6 | |
| | | Dodine | 0.100 | 23.1% | 0.153 | 2.1 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0457 | 0.0 | |
| | | Folpet | 0.249 | 34.5% | 0.51 | 4.2 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.196 | 1.2 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.454 | 2.1 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.77 | -0.5 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.60 | 0.4 | |
| | | | | | | | |
| 6 | B | Chlorothalonil | 0.151 | 24.4% | 0.146 | -0.1 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.789 | -0.4 | n.c. |
| 7 | B | Chlorothalonil | 0.151 | 24.4% | 0.42(o) | 7.1 | 1.9 |
| | | Cyromazine | 0.154 | 20.3% | 0.16 | 0.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.21 | 0.5 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.064 | 1.6 | |

| Lab code | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|----------|-----|-------------------------------|--------------|--------------|--------------|---------------|------------|
| 8 | B | Pymetrozine | 0.150 | 28.2% | 0.24 | 2.4 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.91 | 0.2 | n.c. |
| 9 | B | Captan | 0.172 | 34.2% | 0.168 | -0.1 | 0.5 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.112 | -1.0 | |
| | | Cyromazine | 0.154 | 20.3% | 0.140 | -0.4 | |
| | | Dodine | 0.100 | 23.1% | 0.087 | -0.5 | |
| | | Folpet | 0.249 | 34.5% | 0.230 | -0.3 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.120 | -0.8 | |
| | | Captan | 0.172 | 34.2% | 0.218 | 1.1 | 0.7 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.177 | 0.7 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.211 | 0.5 | |
| | | Dodine | 0.100 | 23.1% | 0.105 | 0.2 | |
| 10 | A | Emamectin B1a | 0.046 | 21.5% | 0.036 | -0.9 | |
| | | Folpet | 0.249 | 34.5% | 0.299 | 0.8 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.854 | -0.1 | n.c. |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.506 | -0.3 | |
| | | Captan | 0.172 | 34.2% | 0.076 | -2.2 | 1.3 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.140 | -0.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.148 | -0.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.608(o) | 9.0 | |
| | | Dodine | 0.100 | 23.1% | 0.110 | 0.4 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.048 | 0.2 | |
| | | Folpet | 0.249 | 34.5% | 0.250 | 0.0 | |
| | | Phthalimide | 0.098 | 51.5% | 0.197 | 4.0 | |
| 11 | A | Pymetrozine | 0.150 | 28.2% | 0.155 | 0.1 | |
| | | THPI | 0.590 | 23.2% | 0.712 | 0.8 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.289 | -0.1 | 0.8 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.075 | 0.9 | |
| | | ETU | 0.063 | 33.1% | 0.104 | 2.6 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.146 | 1.3 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.545 | 0.0 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.197 | 0.0 | |
| | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | FN | -3.3 | |
| | | Meptyldinocap | 0.100 | 54.6% | FN | -3.2 | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.162 | -0.2 | |
| 12 | A | Captan | 0.172 | 34.2% | 0.208 | 0.8 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.167 | 0.4 | |
| | | Cyromazine | 0.154 | 20.3% | 0.173 | 0.5 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.218 | 0.7 | |
| | | Dodine | 0.100 | 23.1% | 0.072 | -1.1 | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|-----|-----------------------|-----------------|-------|-----------------|------------------|--------------|
| 12 | A | A | Emamectin B1a | 0.046 | 21.5% | 0.048 | 0.2 | |
| | | | Folpet | 0.249 | 34.5% | 0.312 | 1.0 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.169 | 2.9 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.184 | 0.9 | |
| | | | THPI | 0.590 | 23.2% | 0.677 | 0.6 | |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.058 | -0.2 | n.c. |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.863 | 0.0 | |
| | | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.082 | -2.1 | |
| | | | | | | | | |
| | | | | | | | | |
| 13 | B | B | Captan | 0.172 | 34.2% | 0.113 | -1.4 | 1.6 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.115 | -1.0 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.185 | 0.8 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.351 | 3.5 | |
| | | | Dodine | 0.100 | 23.1% | 0.0761 | -1.0 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.0548 | 0.8 | |
| | | | Folpet | 0.249 | 34.5% | 0.141 | -1.7 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.169 | 2.9 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.105 | -1.2 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.206 | -1.2 | n.c. |
| 15 | A | A | ETU | 0.063 | 33.1% | FN | -3.4 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | FN | -4.0 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.603 | 0.4 | |
| | | | Meptyldinocap | 0.100 | 54.6% | 0.0721 | -1.1 | |
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| 16 | B | B | Captan | 0.172 | 34.2% | 0.149 | -0.5 | 1.1 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.129 | -0.6 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.166 | 0.3 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.0703 | -2.5 | |
| | | | Dodine | 0.100 | 23.1% | 0.0848 | -0.6 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.0249 | -1.8 | |
| | | | Folpet | 0.249 | 34.5% | 0.204 | -0.7 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.170 | 2.9 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.173 | 0.6 | |
| | | | THPI | 0.590 | 23.2% | 0.594 | 0.0 | |
| 17 | A | A | Bifenazate (sum) | 0.296 | 26.0% | 0.369 | 1.0 | 0.8 |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.0556 | -0.4 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.361 | -2.3 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.207 | 0.2 | |
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| | | | | | | | | |
| 18 | A | A | Captan | 0.172 | 34.2% | 0.179 | 0.2 | 0.6 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.147 | -0.1 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.155 | 0.0 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.147 | -0.9 | |
| | | | Dodine | 0.100 | 23.1% | 0.0803 | -0.8 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.0420 | -0.3 | |
| | | | Folpet | 0.249 | 34.5% | 0.216 | -0.5 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.124 | 1.1 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.169 | 0.5 | |
| | | | THPI | 0.590 | 23.2% | 0.790 | 1.4 | |
| 19 | B | B | Formetanate-HCl | 0.873 | 25.5% | 2.31(o) | 6.6 | n.c. |
| | | | Dodine | 0.100 | 23.1% | 0.068 | -1.3 | n.c. |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.04 | -0.5 | |
| 20 | A | A | Bifenazate (sum) | 0.296 | 26.0% | 0.227 | -0.9 | n.c. |
| | | | Captan | 0.172 | 34.2% | 0.218 | 1.1 | 1.4 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.110 | -1.1 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.148 | -0.2 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.307 | 2.6 | |
| | | | Dodine | 0.100 | 23.1% | 0.154 | 2.2 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.039 | -0.6 | |
| | | | Folpet | 0.249 | 34.5% | 0.340 | 1.5 | |
| | | | Phthalimide | 0.098 | 51.5% | FN | -3.6 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.183 | 0.9 | |
| 21 | B | B | THPI | 0.590 | 23.2% | 0.536 | -0.4 | |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.080 | 1.2 | n.c. |
| | | | Captan | 0.172 | 34.2% | 0.20 | 0.7 | 0.8 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.19 | 1.0 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.17 | -0.4 | |
| | | | Dodine | 0.100 | 23.1% | 0.12 | 0.8 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.055 | 0.8 | |
| 22 | A | A | Folpet | 0.249 | 34.5% | 0.29 | 0.7 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.095 | -1.5 | |
| | | | Captan | 0.172 | 34.2% | 0.151 | -0.5 | 0.4 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.141 | -0.3 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.152 | -0.1 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.168 | -0.4 | |
| | | | Dodine | 0.100 | 23.1% | 0.0911 | -0.4 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.0361 | -0.9 | |
| 23 | B | B | Folpet | 0.249 | 34.5% | 0.213 | -0.6 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.0864 | -0.5 | |
| | | | Captan | 0.172 | 34.2% | 0.151 | -0.5 | |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.141 | -0.3 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.152 | -0.1 | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|--------|-----------------------|-----------------|-------|-----------------|------------------|--------------|
| | | | Phthalimide | 0.098 | 51.5% | 0.159 | 2.5 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.160 | 0.3 | |
| | | | THPI | 0.590 | 23.2% | 0.645 | 0.4 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.376 | 1.1 | n.c. |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.787 | -0.4 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.679 | 1.0 | |
| 17 | A | Captan | | 0.172 | 34.2% | 0.29 | 2.7 | 1.8 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.14 | -0.3 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.29 | 3.5 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.17 | -0.4 | |
| | | | Dodine | 0.100 | 23.1% | 0.12 | 0.8 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.085 | 3.4 | |
| | | | Folpet | 0.249 | 34.5% | 0.37 | 1.9 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.15 | 2.1 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.20 | 1.3 | |
| | | | THPI | 0.590 | 23.2% | 0.40 | -1.3 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.89 | 0.1 | n.c. |
| 18 | A | Captan | | 0.172 | 34.2% | 0.179 | 0.2 | 0.6 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.147 | -0.1 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.155 | 0.0 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.147 | -0.9 | |
| | | | Dodine | 0.100 | 23.1% | 0.0803 | -0.8 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.0420 | -0.3 | |
| | | | Folpet | 0.249 | 34.5% | 0.216 | -0.5 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.124 | 1.1 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.169 | 0.5 | |
| | | | THPI | 0.590 | 23.2% | 0.790 | 1.4 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 2.31(o) | 6.6 | n.c. |
| 19 | B | Dodine | | 0.100 | 23.1% | 0.068 | -1.3 | n.c. |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.04 | -0.5 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.227 | -0.9 | n.c. |
| 20 | A | Captan | | 0.172 | 34.2% | 0.218 | 1.1 | 1.4 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.110 | -1.1 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.148 | -0.2 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.307 | 2.6 | |
| | | | Dodine | 0.100 | 23.1% | 0.154 | 2.2 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.039 | -0.6 | |
| | | | Folpet | 0.249 | 34.5% | 0.340 | 1.5 | |
| | | | Phthalimide | 0.098 | 51.5% | FN | -3.6 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.183 | 0.9 | |
| | | | THPI | 0.590 | 23.2% | 0.536 | -0.4 | |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.080 | 1.2 | n.c. |
| 21 | B | Captan | | 0.172 | 34.2% | 0.20 | 0.7 | 0.8 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.19 | 1.0 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.17 | -0.4 | |
| | | | Dodine | 0.100 | 23.1% | 0.12 | 0.8 | |
| | | | Emamectin B1a | 0.046 | 2 | | | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* % | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|-------------------------------|-------------------------------|-----------------|----------|-----------------|------------------|--------------|
| | | | Pymetrozine | 0.150 | 28.2% | 0.153 | 0.1 | |
| | | | THPI | 0.590 | 23.2% | 0.639 | 0.3 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.183 | -1.5 | n.c. |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.768 | -0.5 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.551 | 0.1 | |
| | | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.0321 | -1.7 | |
| | | | Meptyldinocap | 0.100 | 54.6% | 0.0621 | -1.5 | |
| | | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.105 | -1.5 | |
| 23 | B | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.18 | -0.1 | n.c. |
| 24 | B | Captan | | 0.172 | 34.2% | 0.223 | 1.2 | 0.6 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.156 | 0.1 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.163 | -0.5 | |
| | | Folpet | | 0.249 | 34.5% | 0.263 | 0.2 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.121 | 0.9 | |
| | | THPI | | 0.590 | 23.2% | 0.517 | -0.5 | |
| 25 | A | Captan | | 0.172 | 34.2% | 0.109 | -1.5 | 1.3 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.190 | 1.0 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.162 | 0.2 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.165 | -0.5 | |
| | | Dodine | | 0.100 | 23.1% | 0.148 | 1.9 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.219(o) | 15.0 | |
| | | Folpet | | 0.249 | 34.5% | 0.167 | -1.3 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.129 | 1.3 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.155 | 0.1 | |
| | | THPI | | 0.590 | 23.2% | 0.575 | -0.1 | |
| | | Bifenazate (sum) | | 0.296 | 26.0% | 0.506 | 2.8 | 1.5 |
| | | Chloridazon-desphenyl | | 0.061 | 27.4% | 0.057 | -0.3 | |
| | | Formetanate-HCl | | 0.873 | 25.5% | 0.706 | -0.8 | |
| | | Maleic hydrazide | | 0.544 | 16.6% | 0.685 | 1.0 | |
| | | Oxymatrine | | 0.198 | 22.4% | 0.326 | 2.6 | |
| | | 2,4-DNOP (free phenol) | | 0.056 | 45.1% | 0.164(o) | 7.7 | |
| 26 | A | Captan | | 0.172 | 34.2% | 0.190 | 0.4 | 0.9 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.120 | -0.8 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.130 | -0.6 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.160 | -0.6 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.0490 | 0.3 | |
| | | Folpet | | 0.249 | 34.5% | 0.175 | -1.2 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.108 | 0.4 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.168 | 0.5 | |
| | | THPI | | 0.590 | 23.2% | 0.136 | -3.1 | |
| 28 | A | Captan | | 0.172 | 34.2% | 0.150 | -0.5 | 0.5 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.114 | -1.0 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.160 | 0.2 | |
| | | Dodine | | 0.100 | 23.1% | 0.116 | 0.6 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.0455 | 0.0 | |
| | | Folpet | | 0.249 | 34.5% | 0.227 | -0.4 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.0766 | -0.9 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.186 | 1.0 | |
| | | THPI | | 0.590 | 23.2% | 0.594 | 0.0 | |
| | | Formetanate-HCl | | 0.873 | 25.5% | 0.759 | -0.5 | n.c. |
| 29 | B | Dodine | | 0.100 | 23.1% | 0.101 | 0.0 | n.c. |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.043 | -0.3 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.080 | -1.9 | |
| 30 | A | Captan | | 0.172 | 34.2% | 0.008 | -3.8 | 1.0 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.115 | -1.0 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.13 | -0.6 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.189 | 0.0 | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* % | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|-------------------------------|-------------------------------|-----------------|----------|-----------------|------------------|--------------|
| | | | Dodine | 0.100 | 23.1% | 0.098 | -0.1 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.040 | -0.5 | |
| | | | Folpet | 0.249 | 34.5% | 0.12 | -2.1 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.079 | -0.8 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.104 | -1.2 | |
| | | | THPI | 0.590 | 23.2% | 0.57 | -0.1 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.148 | -2.0 | 1.6 |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | FN | -3.5 | |
| | | | ETU | 0.063 | 33.1% | 0.037 | -1.7 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.653 | -1.0 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.603 | 0.4 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.161 | -0.7 | |
| | | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.049 | -0.5 | |
| | | | Meptyldinocap | 0.100 | 54.6% | FN | -3.2 | |
| | | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.112 | -1.3 | |
| 31 | B | Chlorothalonil | | 0.151 | 24.4% | 0.219 | 1.8 | n.c. |
| 32 | B | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.177 | -0.2 | n.c. |
| | | Pymetrozine | | 0.150 | 28.2% | 0.141 | -0.2 | |
| 33 | B | Dodine | | 0.100 | 23.1% | 0.121 | 0.8 | n.c. |
| | | Pymetrozine | | 0.150 | 28.2% | 0.180 | 0.8 | |
| 34 | A | Captan | | 0.172 | 34.2% | 0.134 | -0.9 | 0.8 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.134 | -0.5 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.106 | -1.2 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.181 | -0.1 | |
| | | Dodine | | 0.100 | 23.1% | 0.088 | -0.5 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.028 | -1.6 | |
| | | Folpet | | 0.249 | 34.5% | 0.301 | 0.8 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.054 | -1.8 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.158 | 0.2 | |
| | | THPI | | 0.590 | 23.2% | 0.519 | -0.5 | |
| | | Chloridazon-desphenyl | | 0.061 | 27.4% | 0.041 | -1.3 | n.c. |
| | | Formetanate-HCl | | 0.873 | 25.5% | 0.832 | -0.2 | |
| | | Maleic hydrazide | | 0.544 | 16.6% | 0.493 | -0.4 | |
| | | Oxymatrine | | 0.198 | 22.4% | 0.222 | 0.5 | |
| | | 2,4-DNOP (free phenol) | | 0.056 | 45.1% | 0.064 | 0.6 | |
| | | Meptyldinocap | | 0.100 | 54.6% | 0.088 | -0.5 | |
| | | Meptyldinocap (sum) | | 0.169 | 50.5% | 0.147 | -0.5 | |
| 35 | A | Captan | | 0.172 | 34.2% | 0.198 | 0.6 | 0.8 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.176 | 0.7 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.196 | 1.1 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.203 | 0.3 | |
| | | Dodine | | 0.100 | 23.1% | 0.084 | -0.6 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.045 | -0.1 | |
| | | Folpet | | 0.249 | 34.5% | 0.291 | 0.7 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.152 | 2.2 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.169 | 0.5 | |
| | | THPI | | 0.590 | 23.2% | 0.706 | 0.8 | |
| | | Formetanate-HCl | | 0.873 | 25.5% | 0.945 | 0.3 | n.c. |
| 36 | A | Captan | | 0.172 | 34.2% | 0.193 | 0.5 | 0.8 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.103 | -1.3 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.173 | 0.5 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.190 | 0.1 | |
| | | Dodine | | 0.100 | 23.1% | 0.0672 | -1.3 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.0464 | 0.0 | |
| | | Folpet | | 0.249 | 34.5% | 0.265 | 0.3 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.185 | 3.6 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.152 | 0.1 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|------------------------|-----------------|-------|-----------------|------------------|--------------|
| | | THPI | 0.590 | 23.2% | 0.609 | 0.1 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.896 | 0.1 | n.c. |
| 37 | A | Captan | 0.172 | 34.2% | 0.159 | -0.3 | 0.8 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.105 | -1.2 | |
| | | Cyromazine | 0.154 | 20.3% | 0.166 | 0.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | FN | -3.8 | |
| | | Dodine | 0.100 | 23.1% | 0.108 | 0.3 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.037 | -0.8 | |
| | | Folpet | 0.249 | 34.5% | 0.214 | -0.6 | |
| | | Phthalimide | 0.098 | 51.5% | 0.088 | -0.4 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.143 | -0.2 | |
| | | THPI | 0.590 | 23.2% | 0.648 | 0.4 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.226 | -0.9 | n.c. |
| 38 | A | Captan | 0.172 | 34.2% | 0.130 | -1.0 | 0.6 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.147 | -0.1 | |
| | | Cyromazine | 0.154 | 20.3% | 0.160 | 0.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.200 | 0.3 | |
| | | Dodine | 0.100 | 23.1% | 0.113 | 0.5 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.045 | -0.1 | |
| | | Folpet | 0.249 | 34.5% | 0.227 | -0.4 | |
| | | Phthalimide | 0.098 | 51.5% | 0.170 | 2.9 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.130 | -0.5 | |
| | | THPI | 0.590 | 23.2% | 0.560 | -0.2 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.230 | -0.9 | 0.8 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.067 | 0.4 | |
| | | ETU | 0.063 | 33.1% | 0.056 | -0.4 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.26 | 1.8 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.427 | -0.9 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.179 | -0.4 | |
| | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.174(o) | 8.4 | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.385 | 5.1 | |
| 39 | A | Captan | 0.172 | 34.2% | 0.276 | 2.4 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.191 | 1.1 | |
| | | Cyromazine | 0.154 | 20.3% | 0.179 | 0.6 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.211 | 0.5 | |
| | | Dodine | 0.100 | 23.1% | 0.0993 | 0.0 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0506 | 0.4 | |
| | | Folpet | 0.249 | 34.5% | 0.320 | 1.1 | |
| | | Phthalimide | 0.098 | 51.5% | 0.102 | 0.2 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.220 | 1.9 | |
| | | THPI | 0.590 | 23.2% | 0.456 | -0.9 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.316 | 0.3 | 1.7 |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.729 | -0.7 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.478 | -0.5 | |
| 40 | A | Captan | 0.172 | 34.2% | 0.026 | -3.4 | 1.2 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.112 | -1.0 | |
| | | Cyromazine | 0.154 | 20.3% | 0.087 | -1.7 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.151 | -0.8 | |
| | | Dodine | 0.100 | 23.1% | 0.099 | 0.0 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.049 | 0.3 | |
| | | Folpet | 0.249 | 34.5% | 0.157 | -1.5 | |
| | | Phthalimide | 0.098 | 51.5% | 0.097 | 0.0 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.112 | -1.0 | |
| | | THPI | 0.590 | 23.2% | 0.311 | -1.9 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.329 | 0.4 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.717 | -0.7 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.477 | -0.5 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|-----------------------|-----------------|-------|-----------------|------------------|--------------|
| 41 | A | Oxymatrine | 0.198 | 22.4% | 0.193 | -0.1 | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.329(o) | 9.2 | |
| 42 | A | Captan | 0.172 | 34.2% | 0.063 | -2.5 | 1.3 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.12 | -0.8 | |
| | | Cyromazine | 0.154 | 20.3% | 0.075 | -2.1 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.2 | 0.3 | |
| | | Dodine | 0.100 | 23.1% | 0.137 | 1.5 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.048 | 0.2 | |
| | | Folpet | 0.249 | 34.5% | 0.21 | -0.6 | |
| | | Phthalimide | 0.098 | 51.5% | 0.15 | 2.1 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.08 | -1.9 | |
| | | THPI | 0.590 | 23.2% | 0.77 | 1.2 | |
| 43 | A | Bifenazate (sum) | 0.296 | 26.0% | 0.26 | -0.5 | 2.0 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.005 | -3.7 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 2.88(o) | 9.2 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.55 | 0.0 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.17 | -0.6 | |
| | | Captan | 0.172 | 34.2% | 2.2(o) | 47.2 | 1.3 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.18 | 0.8 | |
| | | Cyromazine | 0.154 | 20.3% | 0.20 | 1.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.24 | 1.1 | |
| 44 | A | Dodine | 0.100 | 23.1% | 0.085 | -0.6 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.059 | 1.1 | |
| | | Folpet | 0.249 | 34.5% | 0.22 | -0.5 | |
| | | Phthalimide | 0.098 | 51.5% | 0.15 | 2.1 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.14 | -0.3 | |
| | | THPI | 0.590 | 23.2% | 0.65 | 0.4 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.37 | 1.0 | 0.7 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.053 | -0.5 | |
| | | ETU | 0.063 | 33.1% | 0.080 | 1.1 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.71 | -0.7 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.52 | -0.2 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.16 | -0.8 | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.28(o) | 7.2 | |
| | | Captan | 0.172 | 34.2% | 0.211 | 0.9 | 1.2 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.0914 | -1.6 | |
| | | Cyromazine | 0.154 | 20.3% | 0.144 | -0.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.600(o) | 8.8 | |
| | | Dodine | 0.100 | 23.1% | 0.107 | 0.3 | |
| | | Folpet | 0.249 | 34.5% | 0.227 | -0.4 | |
| | | Phthalimide | 0.098 | 51.5% | 0.0663 | -1.3 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.157 | 0.2 | |
| | | THPI | 0.590 | 23.2% | 0.443 | -1.0 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.520 | -0.2 | n.c. |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|------------------------|-----------------|-------|-----------------|------------------|--------------|
| | | Maleic hydrazide | 0.544 | 16.6% | 0.56 | 0.1 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.15 | -1.0 | |
| | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.03 | -1.9 | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.1 | 0.0 | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.13 | -0.9 | |
| 45 | A | Captan | 0.172 | 34.2% | 0.174 | 0.0 | 0.7 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.211 | 1.6 | |
| | | Cyromazine | 0.154 | 20.3% | 0.164 | 0.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.129 | -1.2 | |
| | | Dodine | 0.100 | 23.1% | 0.133 | 1.3 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.058 | 1.0 | |
| | | Folpet | 0.249 | 34.5% | 0.243 | -0.1 | |
| | | Phthalimide | 0.098 | 51.5% | 0.106 | 0.3 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.186 | 1.0 | |
| | | THPI | 0.590 | 23.2% | 0.529 | -0.4 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.260 | -0.5 | 1.2 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | FN | -3.3 | |
| | | ETU | 0.063 | 33.1% | 0.102 | 2.5 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.848 | -0.1 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.617 | 0.5 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.216 | 0.4 | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.156 | 2.2 | |
| 46 | B | Cyromazine | 0.154 | 20.3% | 0.197 | 1.1 | n.c. |
| | | Dodine | 0.100 | 23.1% | 0.088 | -0.5 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.101 | -1.3 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.642 | -1.1 | n.c. |
| 47 | A | Captan | 0.172 | 34.2% | 0.147 | -0.6 | 0.7 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.139 | -0.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.194 | 1.0 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.159 | -0.6 | |
| | | Dodine | 0.100 | 23.1% | 0.091 | -0.4 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.029 | -1.5 | |
| | | Folpet | 0.249 | 34.5% | 0.282 | 0.5 | |
| | | Phthalimide | 0.098 | 51.5% | 0.113 | 0.6 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.203 | 1.4 | |
| | | THPI | 0.590 | 23.2% | 0.631 | 0.3 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.313 | 0.2 | 0.9 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.074 | 0.9 | |
| | | ETU | 0.063 | 33.1% | 0.039 | -1.5 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.831 | -0.2 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.463 | -0.6 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.308 | 2.2 | |
| | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.077 | 1.5 | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.159 | -0.2 | |
| 48 | A | Captan | 0.172 | 34.2% | 0.180 | 0.2 | 1.0 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.245 | 2.5 | |
| | | Cyromazine | 0.154 | 20.3% | 0.160 | 0.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.250 | 1.3 | |
| | | Dodine | 0.100 | 23.1% | 0.085 | -0.6 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.057 | 1.0 | |
| | | Folpet | 0.249 | 34.5% | 0.255 | 0.1 | |
| | | Phthalimide | 0.098 | 51.5% | 0.180 | 3.3 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.155 | 0.1 | |
| | | THPI | 0.590 | 23.2% | 0.700 | 0.7 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.410 | 1.5 | 1.7 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.060 | -0.1 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 6.0(o) | 23.5 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|-----------------------|-----------------|-------|-----------------|------------------|--------------|
| | | Maleic hydrazide | 0.544 | 16.6% | 0.444 | -0.7 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.150 | -1.0 | |
| 49 | B | Captan | 0.172 | 34.2% | 0.289 | 2.7 | 1.7 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.165 | 0.4 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.191 | 0.1 | |
| | | Folpet | 0.249 | 34.5% | 0.148 | -1.6 | |
| | | Pymetrozine | 0.150 | 28.2% | FN | -3.5 | |
| 50 | A | Captan | 0.172 | 34.2% | 0.183 | 0.3 | 0.8 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.143 | -0.2 | |
| | | Cyromazine | 0.154 | 20.3% | 0.167 | 0.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.301 | 2.4 | |
| | | Dodine | 0.100 | 23.1% | 0.094 | -0.2 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.063 | 1.5 | |
| | | Folpet | 0.249 | 34.5% | 0.247 | 0.0 | |
| | | Phthalimide | 0.098 | 51.5% | 0.066 | -1.3 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.127 | -0.6 | |
| | | THPI | 0.590 | 23.2% | 0.463 | -0.9 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.223 | -1.0 | 0.6 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.054 | -0.5 | |
| | | ETU | 0.063 | 33.1% | 0.058 | -0.3 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.868 | 0.0 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.733 | 1.4 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.169 | -0.6 | |
| | | Meptyldinocap | 0.100 | 54.6% | FN | -3.2 | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.332 | 3.9 | |
| 51 | A | Captan | 0.172 | 34.2% | 0.184 | 0.3 | 0.8 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.168 | 0.5 | |
| | | Cyromazine | 0.154 | 20.3% | 0.190 | 0.9 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.240 | 1.1 | |
| | | Dodine | 0.100 | 23.1% | 0.092 | -0.3 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.050 | 0.3 | |
| | | Folpet | 0.249 | 34.5% | 0.291 | 0.7 | |
| | | Phthalimide | 0.098 | 51.5% | 0.148 | 2.0 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.188 | 1.0 | |
| | | THPI | 0.590 | 23.2% | 0.705 | 0.8 | |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.061 | 0.0 | n.c. |
| | | ETU | 0.063 | 33.1% | 0.070 | 0.4 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.860 | -0.1 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.225 | 0.5 | |
| 52 | B | Cyromazine | 0.154 | 20.3% | 0.161 | 0.2 | n.c. |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.237 | 1.1 | |
| | | Dodine | 0.100 | 23.1% | 0.149 | 2.0 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.162 | 0.3 | |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.668(o) | 39.8 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.929 | 0.3 | |
| 53 | A | Captan | 0.172 | 34.2% | 0.220 | 1.1 | 0.6 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.170 | 0.5 | |
| | | Cyromazine | 0.154 | 20.3% | 0.201 | 1.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.213 | 0.6 | |
| | | Dodine | 0.100 | 23.1% | 0.089 | -0.4 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.056 | 0.9 | |
| | | Folpet | 0.249 | 34.5% | 0.287 | 0.6 | |
| | | Phthalimide | 0.098 | 51.5% | 0.0964 | -0.1 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.155 | 0.1 | |
| | | THPI | 0.590 | 23.2% | 0.636 | 0.3 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.319 | 0.3 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.732 | -0.6 | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* % | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|---------------------|------------------|-----------------|----------|-----------------|------------------|--------------|
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.706 | 1.2 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.293 | 1.9 | |
| 54 | A | Captan | 0.172 | 34.2% | 0.192 | 0.5 | 0.6 | |
| | | Chlorothalonil | 0.151 | 24.4% | 0.166 | 0.4 | | |
| | | Cyromazine | 0.154 | 20.3% | 0.162 | 0.2 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.156 | -0.7 | | |
| | | Dodine | 0.100 | 23.1% | 0.0579 | -1.7 | | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0443 | -0.1 | | |
| | | Folpet | 0.249 | 34.5% | 0.329 | 1.3 | | |
| | | Phthalimide | 0.098 | 51.5% | 0.0862 | -0.5 | | |
| | | Pymetrozine | 0.150 | 28.2% | 0.159 | 0.2 | | |
| | | THPI | 0.590 | 23.2% | 0.535 | -0.4 | | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.302 | 0.1 | n.c. | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.344 | 2.2 | | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.430 | -0.8 | | |
| | | Oxymatrine | 0.198 | 22.4% | 0.191 | -0.1 | | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.613(o) | 20.5 | | |
| 55 | A | Captan | 0.172 | 34.2% | 0.212 | 0.9 | 0.6 | |
| | | Chlorothalonil | 0.151 | 24.4% | 0.167 | 0.4 | | |
| | | Cyromazine | 0.154 | 20.3% | 0.128 | -0.7 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.172 | -0.3 | | |
| | | Dodine | 0.100 | 23.1% | 0.108 | 0.3 | | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.050 | 0.3 | | |
| | | Folpet | 0.249 | 34.5% | 0.327 | 1.3 | | |
| | | Phthalimide | 0.098 | 51.5% | 0.069 | -1.2 | | |
| | | Pymetrozine | 0.150 | 28.2% | 0.163 | 0.3 | | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.337 | 0.6 | n.c. | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.778 | -0.4 | | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.496 | -0.4 | | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.613(o) | 20.5 | | |
| | | Phthalimide | 0.098 | 51.5% | 0.140 | 1.7 | | |
| 56 | B | Captan | 0.172 | 34.2% | 1.402(o) | 28.6 | 2.1 | |
| | | Chlorothalonil | 0.151 | 24.4% | 0.264 | 3.0 | | |
| | | Cyromazine | 0.154 | 20.3% | 0.166 | 0.3 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.299 | 2.4 | | |
| | | Dodine | 0.100 | 23.1% | 0.108 | 0.3 | | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.045 | -0.1 | | |
| | | Folpet | 0.249 | 34.5% | 1.164(o) | 14.7 | | |
| | | Phthalimide | 0.098 | 51.5% | 0.140 | 1.7 | | |
| | | Pymetrozine | 0.150 | 28.2% | 0.198 | 1.3 | | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.766 | -0.5 | n.c. | |
| 57 | A | Chlorothalonil | 0.151 | 24.4% | 0.0240 | -3.4 | 1.6 | |
| | | Cyromazine | 0.154 | 20.3% | 0.0605 | -2.4 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.124 | -1.3 | | |
| | | Dodine | 0.100 | 23.1% | 0.0889 | -0.4 | | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0356 | -0.9 | | |
| | | Folpet | 0.249 | 34.5% | 0.0368 | -3.4 | | |
| | | Phthalimide | 0.098 | 51.5% | 0.0786 | -0.8 | | |
| | | Pymetrozine | 0.150 | 28.2% | 0.0828 | -1.8 | | |
| | | THPI | 0.590 | 23.2% | 0.544 | -0.3 | | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.842(o) | 7.4 | n.c. | |
| | | ETU | 0.063 | 33.1% | 0.0295 | -2.1 | | |
| | | Formetanate-HCl | 0.873 | 25.5% | 40.6(o) | 182.0 | | |
| | | Meptyldinocap | 0.100 | 54.6% | 1.91(o) | 72.4 | | |
| 58 | A | Captan | 0.172 | 34.2% | 0.210 | 0.9 | 0.6 | |
| | | Chlorothalonil | 0.151 | 24.4% | 0.127 | -0.6 | | |
| | | Cyromazine | 0.154 | 20.3% | 0.155 | 0.0 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.219 | 0.7 | | |
| | | Dodine | 0.100 | 23.1% | 0.071 | -1.2 | | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* % | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|------------------------|-----------------------|-----------------|----------|-----------------|------------------|--------------|
| | | | Emamectin B1a | 0.046 | 21.5% | 0.042 | -0.3 | |
| | | | Folpet | 0.249 | 34.5% | 0.281 | 0.5 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.081 | -0.7 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.170 | 0.5 | |
| | | | THPI | 0.590 | 23.2% | 0.688 | 0.7 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.272 | -0.3 | n.c. |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.052 | -0.6 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 1.02 | 0.7 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.518 | -0.2 | |
| 59 | B | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.152 | -0.7 | n.c. | |
| 60 | B | Chlorothalonil | 0.151 | 24.4% | 0.086 | -1.7 | 2.2 | |
| | | Cyromazine | 0.154 | 20.3% | 0.148 | -0.2 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.412 | 4.8 | | |
| | | Dodine | 0.100 | 23.1% | 0.0698 | -1.2 | | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0645 | 1.6 | | |
| | | Phthalimide | 0.098 | 51.5% | 0.239(o) | 11.4 | | |
| | | Pymetrozine | 0.150 | 28.2% | 0.107 | -1.1 | | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.186 | -1.5 | n.c. | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.850 | -0.1 | | |
| 61 | A | Captan | 0.172 | 34.2% | 0.220 | 1.1 | 1.4 | |
| | | Chlorothalonil | 0.151 | 24.4% | FN | -3.7 | | |
| | | Cyromazine | 0.154 | 20.3% | 0.132 | -0.6 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.360 | 3.7 | | |
| | | Dodine | 0.100 | 23.1% | 0.087 | -0.5 | | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.039 | -0.6 | | |
| | | Folpet | 0.249 | 34.5% | 0.342 | 1.5 | | |
| | | Phthalimide | 0.098 | 51.5% | 0.108 | 0.4 | | |
| | | Pymetrozine | 0.150 | 28.2% | 0.194 | 1.2 | | |
| | | THPI | 0.590 | 23.2% | 0.426 | -1.1 | | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.79 | 4.2 | n.c. | |
| | | Oxymatrine | 0.198 | 22.4% | 0.230 | 0.6 | | |
| 62 | A | Captan | 0.172 | 34.2% | 0.175 | 0.1 | 0.9 | |
| | | Chlorothalonil | 0.151 | 24.4% | 0.186 | 0.9 | | |
| | | Cyromazine | 0.154 | 20.3% | 0.138 | -0.4 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.371 | 3.9 | | |
| | | Dodine | 0.100 | 23.1% | 0.123 | 0.9 | | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.046 | 0.0 | | |
| | | Folpet | 0.249 | 34.5% | 0.306 | 0.9 | | |
| | | Phthalimide | 0.098 | 51.5% | 0.094 | -0.2 | | |
| | | Pymetrozine | 0.150 | 28.2% | 0.136 | -0.4 | | |
| | | THPI | 0.590 | 23.2% | 0.473 | -0.8 | | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.398 | 1.4 | 0.6 | |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.052 | -0.6 | | |
| | | ETU | 0.063 | 33.1% | 0.069 | 0.4 | | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.677 | -0.9 | | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.539 | 0.0 | | |
| | | Oxymatrine | 0.198 | 22.4% | 0.177 | -0.4 | | |
| | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.081 | 1.8 | | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.093 | -0.3 | | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.202 | 0.8 | | |
| 63 | B | Chlorothalonil | 0.151 | 24.4% | 0.13 | -0.6 | n.c. | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.55 | -1.5 | n.c. | |
| 64 | A | Captan | 0.172 | 34.2% | 0.187 | 0.3 | 0.8 | |
| | | Chlorothalonil | 0.151 | 24.4% | 0.155 | 0.1 | | |
| | | Cyromazine | 0.154 | 20.3% | 0.125 | -0.8 | | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.0488 | -3.0 | | |
| | | Dodine | 0.100 | 23.1% | 0.0893 | -0.4 | | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|------------------------|-----------------|-------|-----------------|------------------|--------------|
| 66 | B | Emamectin B1a | 0.046 | 21.5% | 0.0379 | -0.7 | |
| | | Folpet | 0.249 | 34.5% | 0.284 | 0.6 | |
| | | Phthalimide | 0.098 | 51.5% | 0.0808 | -0.7 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.181 | 0.8 | |
| | | THPI | 0.590 | 23.2% | 0.660 | 0.5 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.48 | 2.8 | n.c. |
| 66 | B | Captan | 0.172 | 34.2% | FN* | -3.5 | 2.7 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.053 | -2.6 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.099 | -1.9 | |
| | | Dodine | 0.100 | 23.1% | 0.154 | 2.2 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.032 | -3.1 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.344 | -2.4 | n.c. |
| 67 | A | Captan | 0.172 | 34.2% | 0.110 | -1.4 | 0.7 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.131 | -0.5 | |
| | | Cyromazine | 0.154 | 20.3% | 0.164 | 0.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.265 | 1.7 | |
| | | Dodine | 0.100 | 23.1% | 0.121 | 0.8 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.047 | 0.1 | |
| | | Folpet | 0.249 | 34.5% | 0.181 | -1.1 | |
| | | Phthalimide | 0.098 | 51.5% | 0.106 | 0.3 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.181 | 0.8 | |
| | | THPI | 0.590 | 23.2% | 0.627 | 0.3 | |
| | | ETU | 0.063 | 33.1% | 0.066 | 0.2 | n.c. |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.561 | 0.1 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.198 | 0.0 | |
| 68 | A | Captan | 0.172 | 34.2% | 0.158 | -0.3 | 0.7 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.200 | 1.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.203 | 1.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.187 | 0.0 | |
| | | Dodine | 0.100 | 23.1% | 0.083 | -0.7 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.039 | -0.6 | |
| | | Folpet | 0.249 | 34.5% | 0.290 | 0.7 | |
| | | Phthalimide | 0.098 | 51.5% | 0.120 | 0.9 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.124 | -0.7 | |
| | | THPI | 0.590 | 23.2% | 0.720 | 0.9 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.303 | 0.1 | n.c. |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.623 | 0.6 | |
| 69 | A | Captan | 0.172 | 34.2% | 0.189 | 0.4 | 0.6 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.160 | 0.2 | |
| | | Cyromazine | 0.154 | 20.3% | 0.164 | 0.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.077 | -2.4 | |
| | | Dodine | 0.100 | 23.1% | 0.112 | 0.5 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.046 | 0.0 | |
| | | Folpet | 0.249 | 34.5% | 0.301 | 0.8 | |
| | | Phthalimide | 0.098 | 51.5% | 0.125 | 1.1 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.136 | -0.4 | |
| | | THPI | 0.590 | 23.2% | 0.547 | -0.3 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.360 | 0.9 | 0.6 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.077 | 1.0 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.767 | -0.5 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.544 | 0.0 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.165 | -0.7 | |
| | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.054 | -0.1 | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.093 | -0.3 | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.128 | -1.0 | |
| 70 | B | Captan | 0.172 | 34.2% | 0.242 | 1.6 | 1.2 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.197 | 1.2 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|---------------------|-----------------|-------|-----------------|------------------|--------------|
| 71 | B | Cyromazine | 0.154 | 20.3% | 0.170 | 0.4 | |
| | | Dodine | 0.100 | 23.1% | 0.106 | 0.2 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0402 | -0.5 | |
| | | Folpet | 0.249 | 34.5% | 0.546 | 4.8 | |
| | | Phthalimide | 0.098 | 51.5% | 0.145 | 1.9 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.145 | -0.1 | |
| | | THPI | 0.590 | 23.2% | 0.556 | -0.2 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.358 | 0.8 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.79 | 4.2 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.554 | 0.1 | |
| 71 | B | Captan | 0.172 | 34.2% | 0.245 | 1.7 | 1.6 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.151 | 0.0 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.181 | -0.1 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0477 | 0.1 | |
| | | Folpet | 0.249 | 34.5% | 0.567 | 5.1 | |
| | | Phthalimide | 0.098 | 51.5% | FN | -3.6 | |
| | | THPI | 0.590 | 23.2% | 0.524 | -0.4 | |
| | | Formetanate-HCl | 0.873 | 25.5% | FN | -4.0 | n.c. |
| | | Meptyldinocap | 0.100 | 54.6% | 0.213 | 4.5 | |
| 72 | A | Captan | 0.172 | 34.2% | 0.135 | -0.9 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.163 | 0.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.159 | 0.1 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.180 | -0.1 | |
| | | Dodine | 0.100 | 23.1% | 0.108 | 0.3 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0539 | 0.7 | |
| | | Folpet | 0.249 | 34.5% | 0.225 | -0.4 | |
| | | Phthalimide | 0.098 | 51.5% | 0.298(o) | 11.4 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.181 | 0.8 | |
| | | THPI | 0.590 | 23.2% | 0.638 | 0.3 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.402 | 1.4 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.777 | -0.4 | |
| 73 | B | Captan | 0.172 | 34.2% | FN | -3.5 | 1.1 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.228 | 2.0 | |
| | | Cyromazine | 0.154 | 20.3% | 0.225 | 1.8 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.161 | -0.6 | |
| | | Dodine | 0.100 | 23.1% | 0.078 | -0.9 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.044 | -0.2 | |
| | | Folpet | 0.249 | 34.5% | 0.240 | -0.1 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.143 | -0.2 | |
| | | THPI | 0.590 | 23.2% | 0.721 | 0.9 | |
| 74 | A | Captan | 0.172 | 34.2% | 0.15 | -0.5 | 1.2 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.12 | -0.8 | |
| | | Cyromazine | 0.154 | 20.3% | 0.067 | -2.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.20 | 0.3 | |
| | | Dodine | 0.100 | 23.1% | 0.071 | -1.2 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.036 | -0.9 | |
| | | Folpet | 0.249 | 34.5% | 0.21 | -0.6 | |
| | | Phthalimide | 0.098 | 51.5% | 0.16 | 2.5 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.073 | -2.1 | |
| | | THPI | 0.590 | 23.2% | 0.75 | 1.1 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.47 | 2.4 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.63 | -1.1 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.48 | -0.5 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.13 | -1.4 | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.48(o) | 15.2 | |
| 75 | B | Cyromazine | 0.154 | 20.3% | 0.118 | -0.9 | n.c. |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.146 | -0.9 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|-----------------------|-----------------|-------|-----------------|------------------|--------------|
| 76 | B | Dodine | 0.100 | 23.1% | 0.049 | -2.0 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.137 | -0.3 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.374 | -2.3 | n.c. |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.83 | 2.1 | |
| 76 | B | Captan | 0.172 | 34.2% | 0.0170 | -3.6 | 2.3 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.0975 | -1.4 | |
| | | Cyromazine | 0.154 | 20.3% | 0.0691 | -2.2 | |
| | | Dodine | 0.100 | 23.1% | 0.103 | 0.1 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0898 | 3.8 | |
| | | Folpet | 0.249 | 34.5% | 0.0336 | -3.5 | |
| | | Phthalimide | 0.098 | 51.5% | 0.189 | 3.7 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.0849 | -1.7 | |
| | | THPI | 0.590 | 23.2% | 0.752 | 1.1 | |
| 77 | A | Captan | 0.172 | 34.2% | 0.143 | -0.7 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.138 | -0.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.141 | -0.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.209 | 0.5 | |
| | | Dodine | 0.100 | 23.1% | 0.0882 | -0.5 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0505 | 0.4 | |
| | | Folpet | 0.249 | 34.5% | 0.267 | 0.3 | |
| | | Phthalimide | 0.098 | 51.5% | 0.201 | 4.2 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.102 | -1.3 | |
| | | THPI | 0.590 | 23.2% | 0.561 | -0.2 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.25 | 1.7 | n.c. |
| 78 | A | Captan | 0.172 | 34.2% | 0.183 | 0.3 | 0.6 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.117 | -0.9 | |
| | | Cyromazine | 0.154 | 20.3% | 0.194 | 1.0 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.202 | 0.3 | |
| | | Dodine | 0.100 | 23.1% | 0.099 | 0.0 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.044 | -0.2 | |
| | | Folpet | 0.249 | 34.5% | 0.233 | -0.3 | |
| | | Phthalimide | 0.098 | 51.5% | 0.081 | -0.7 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.212 | 1.7 | |
| | | THPI | 0.590 | 23.2% | 0.548 | -0.3 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.037 | 0.8 | n.c. |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.111 | -1.4 | |
| 79 | B | Captan | 0.172 | 34.2% | 0.238 | 1.5 | 0.7 |
| | | Dodine | 0.100 | 23.1% | 0.0952 | -0.2 | |
| | | Folpet | 0.249 | 34.5% | 0.286 | 0.6 | |
| | | Phthalimide | 0.098 | 51.5% | 0.124 | 1.1 | |
| | | THPI | 0.590 | 23.2% | 0.541 | -0.3 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.44 | 2.6 | n.c. |
| 80 | B | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.225 | 0.8 | n.c. |
| 81 | B | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.165 | -0.5 | n.c. |
| 82 | A | Captan | 0.172 | 34.2% | 0.120 | -1.2 | 0.8 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.148 | -0.1 | |
| | | Cyromazine | 0.154 | 20.3% | 0.158 | 0.1 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.196 | 0.2 | |
| | | Dodine | 0.100 | 23.1% | 0.114 | 0.6 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.063 | 1.5 | |
| | | Folpet | 0.249 | 34.5% | 0.240 | -0.1 | |
| | | Phthalimide | 0.098 | 51.5% | 0.171 | 3.0 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.180 | 0.8 | |
| | | THPI | 0.590 | 23.2% | 0.542 | -0.3 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.346 | 0.7 | 0.7 |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.067 | 0.4 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.361 | 2.2 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|-----------------------|-----------------|-------|-----------------|------------------|--------------|
| 84 | B | Maleic hydrazide | 0.544 | 16.6% | 0.518 | -0.2 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.209 | 0.2 | |
| 85 | A | Chlorothalonil | 0.151 | 24.4% | 0.168 | 0.5 | n.c. |
| | | Cyromazine | 0.154 | 20.3% | 0.152 | -0.1 | |
| | | Dodine | 0.100 | 23.1% | 0.047 | -2.1 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.294 | 1.9 | n.c. |
| 86 | B | Captan | 0.172 | 34.2% | 0.156 | -0.4 | 0.7 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.144 | -0.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.134 | -1.1 | |
| | | Dodine | 0.100 | 23.1% | 0.098 | -0.1 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.041 | -0.4 | |
| | | Folpet | 0.249 | 34.5% | 0.244 | -0.1 | |
| | | Phthalimide | 0.098 | 51.5% | 0.155 | 2.3 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.219 | 1.8 | |
| | | THPI | 0.590 | 23.2% | 0.471 | -0.8 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.301 | 0.1 | n.c. |
| 87 | B | Formetanate-HCl | 0.873 | 25.5% | 1.64 | 3.5 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.690 | 1.1 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.200 | 0.0 | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.208 | 0.9 | |
| 88 | A | Captan | 0.172 | 34.2% | 0.178 | 0.1 | 0.4 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.161 | 0.3 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.179 | -0.2 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.040 | -0.5 | |
| | | Folpet | 0.249 | 34.5% | 0.178 | -1.1 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.157 | 0.2 | |
| | | Cyromazine | 0.154 | 20.3% | 0.223 | 1.8 | n.c. |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.0986 | -1.9 | |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.0665 | 0.4 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 3.15(o) | 10.4 | |
| 89 | A | Captan | 0.172 | 34.2% | 0.279 | 2.5 | 1.3 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.192 | 1.1 | |
| | | Cyromazine | 0.154 | 20.3% | 0.076 | -2.0 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.251 | 1.4 | |
| | | Dodine | 0.100 | 23.1% | 0.110 | 0.4 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.054 | 0.7 | |
| | | Folpet | 0.249 | 34.5% | 0.430 | 2.9 | |
| | | Phthalimide | 0.098 | 51.5% | 0.096 | -0.1 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.090 | -1.6 | |
| | | THPI | 0.590 | 23.2% | 0.621 | 0.2 | |
| 90 | B | Bifenazate (sum) | 0.296 | 26.0% | 0.272 | -0.3 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 3.15(o) | 10.4 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.620 | 0.6 | |
| | | Meptyldinocap | 0.100 | 54.6% | 3.55(o) | 138.0 | |
| | | Phthalimide | 0.098 | 51.5% | 0.120 | 0.9 | |
| 91 | B | Captan | 0.172 | 34.2% | 0.198 | 0.6 | 0.8 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.206 | 1.5 | |
| | | Cyromazine | 0.154 | 20.3% | 0.123 | -0.8 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.136 | -1.1 | |
| | | Dodine | 0.100 | 23.1% | 0.116 | 0.6 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.061 | 1.3 | |
| | | Folpet | 0.249 | 34.5% | 0.285 | 0.6 | |
| 92 | A | Phthalimide | 0.098 | 51.5% | 0.120 | 0.9 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.152 | 0.1 | |
| | | THPI | 0.590 | 23.2% | 0.549 | -0.3 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.246 | -0.7 | n.c. |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.602 | 0.4 | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* % | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|------------------|---------------------|-----------------|----------|-----------------|------------------|--------------|
| 91 | A | Chlorothalonil | Chlorothalonil | 0.151 | 24.4% | 0.039 | -3.0 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.071 | -2.2 | |
| | | | Dodine | 0.100 | 23.1% | 0.150 | 2.0 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.040 | -0.5 | |
| | | | Folpet | 0.249 | 34.5% | 0.080 | -2.7 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.110 | 0.5 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.076 | -2.0 | |
| | | | THPI | 0.590 | 23.2% | 0.720 | 0.9 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.744(o) | 6.1 | n.c. |
| | | | Formetanate-HCl | 0.873 | 25.5% | 2.230(o) | 6.2 | |
| 91 | A | Captan | | 0.172 | 34.2% | 0.025 | -3.4 | 1.7 |
| 92 | A | Chlorothalonil | Chlorothalonil | 0.151 | 24.4% | 0.139 | -0.3 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.117 | -1.0 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.292 | 2.2 | |
| | | | Dodine | 0.100 | 23.1% | 0.133 | 1.3 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.064 | 1.6 | |
| | | | Folpet | 0.249 | 34.5% | 0.084 | -2.7 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.176 | 3.2 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.089 | -1.6 | |
| | | | THPI | 0.590 | 23.2% | 0.596 | 0.0 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.403 | -1.0 | n.c. |
| 93 | A | Meptyldinocap | Captan | 0.172 | 34.2% | 0.221 | 1.1 | 1.8 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.214 | 1.7 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.150 | -0.1 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.170 | -0.4 | |
| | | | Dodine | 0.100 | 23.1% | 0.119 | 0.8 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.139(o) | 8.1 | |
| | | | Folpet | 0.249 | 34.5% | 0.112 | -2.2 | |
| | | | Phthalimide | 0.098 | 51.5% | FN | -3.6 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.151 | 0.0 | |
| | | | THPI | 0.590 | 23.2% | 0.180 | -2.8 | |
| 94 | B | Formetanate-HCl | Captan | 0.172 | 34.2% | 0.653 | -1.0 | n.c. |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.164 | -0.2 | 0.9 |
| | | | Cyromazine | 0.154 | 20.3% | 0.172 | 0.6 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.111 | -1.6 | |
| | | | Dodine | 0.100 | 23.1% | 0.164 | 2.6 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.058 | 1.0 | |
| | | | Folpet | 0.249 | 34.5% | 0.251 | 0.0 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.095 | -0.1 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.179 | 0.8 | |
| | | | THPI | 0.590 | 23.2% | 0.368 | -1.5 | |
| 95 | B | Bifenazate (sum) | Captan | 0.172 | 34.2% | 0.202 | 0.7 | 0.9 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.113 | -1.0 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.174 | -0.3 | |
| | | | Dodine | 0.100 | 23.1% | 0.0838 | -0.6 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.0369 | -0.8 | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* % | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|------------------|-----------------------|-----------------|----------|-----------------|------------------|--------------|
| 96 | B | Captan | Pymetrozine | 0.150 | 28.2% | 0.188 | 1.0 | |
| | | | THPI | 0.590 | 23.2% | 0.699 | 0.7 | |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.056 | -0.3 | n.c. |
| | | | Formetanate-HCl | 0.873 | 25.5% | 1.02 | 0.7 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.226 | 0.6 | |
| 97 | A | Captan | Captan | 0.172 | 34.2% | 0.178 | 0.1 | 0.4 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.178 | 0.7 | |
| | | | Folpet | 0.249 | 34.5% | 0.274 | 0.4 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.117 | 0.8 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.162 | 0.3 | |
| | | | THPI | 0.590 | 23.2% | 0.576 | -0.1 | |
| 98 | B | Chlorothalonil | Formetanate-HCl | 0.873 | 25.5% | 0.860 | -0.1 | n.c. |
| | | | Captan | 0.172 | 34.2% | 0.128 | -1.0 | 1.7 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.232 | 2.1 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.140 | -0.4 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.050 | -2.9 | |
| | | | Dodine | 0.100 | 23.1% | 0.099 | 0.0 | |
| 99 | A | Captan | Emamectin B1a | 0.046 | 21.5% | 0.054 | 0.7 | |
| | | | Folpet | 0.249 | 34.5% | 0.442 | 3.1 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.697(o) | 24.4 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.179 | 0.8 | |
| | | | THPI | 0.590 | 23.2% | 0.697 | 0.7 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.658 | 0.8 | n.c. |
| 100 | A | Captan | Meptyldinocap | 0.100 | 54.6% | 0.149 | 2.0 | |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.14 | -0.3 | 0.6 |
| | | | Cyromazine | 0.154 | 20.3% | 0.15 | -0.1 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.28 | 2.0 | |
| | | | Dodine | 0.100 | 23.1% | 0.096 | -0.2 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.041 | -0.4 | |
| 100 | B | Bifenazate (sum) | Pymetrozine | 0.150 | 28.2% | 0.16 | 0.3 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.26 | -0.5 | n.c. |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | FN | -3.3 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 1.100 | 1.0 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.200 | 0.0 | |
| | | | Captan | 0.172 | 34.2% | 0.309 | 3.2 | 1.6 |
| 100 | A | Captan | Chlorothalonil | 0.151 | 24.4% | 0.194 | 1.1 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.099 | -1.4 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.141 | -1.0 | |
| | | | Dodine | 0.100 | 23.1% | 0.058 | -1.7 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.038 | -0.7 | |
| | | | Folpet | 0.249 | 34.5% | 0.486 | 3.8 | |
| 100 | B | Bifenazate (sum) | Phthalimide | 0.098 | 51.5% | 0.141 | 1.8 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.130 | -0.5 | |
| | | | THPI | 0.590 | 23.2% | 0.436 | -1.0 | |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.227 | -0.9 | 0.9 |
| | | | Captan | 0.172 | 34.2% | 0.309 | 3.2 | 1.6 |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* % | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|-----|------------------------|-----------------|----------|-----------------|------------------|--------------|
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.038 | -1.5 | |
| | | | ETU | 0.063 | 33.1% | 0.069 | 0.4 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.767 | -0.5 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.452 | -0.7 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.132 | -1.3 | |
| | | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.058 | 0.1 | |
| | | | Meptyldinocap | 0.100 | 54.6% | 0.186 | 3.4 | |
| | | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.257 | 2.1 | |
| 101 | B | | Chlorothalonil | 0.151 | 24.4% | 0.126 | -0.7 | 2.1 |
| | | | Cyromazine | 0.154 | 20.3% | 0.296 | 3.7 | |
| | | | Dodine | 0.100 | 23.1% | 0.024 | -3.0 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.047 | 0.1 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.257 | 2.9 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.318 | 0.3 | n.c. |
| | | | Formetanate-HCl | 0.873 | 25.5% | 1.64 | 3.5 | |
| 102 | A | | Captan | 0.172 | 34.2% | 0.182 | 0.2 | 0.7 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.131 | -0.5 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.142 | -0.3 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.116 | -1.5 | |
| | | | Dodine | 0.100 | 23.1% | 0.072 | -1.1 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.043 | -0.3 | |
| | | | Folpet | 0.249 | 34.5% | 0.296 | 0.8 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.105 | 0.3 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.209 | 1.6 | |
| | | | THPI | 0.590 | 23.2% | 0.611 | 0.1 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.335 | 0.5 | n.c. |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.088 | 1.8 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.881 | 0.0 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.156 | -0.8 | |
| | | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.047 | -0.6 | |
| | | | Meptyldinocap | 0.100 | 54.6% | 0.053 | -1.9 | |
| | | | Meptyldinocap (sum) | 0.169 | 50.5% | 0.111 | -1.4 | |
| 104 | B | | Captan | 0.172 | 34.2% | 0.250 | 1.8 | 1.4 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.169 | 0.5 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.160 | 0.2 | |
| | | | Dodine | 0.100 | 23.1% | 0.096 | -0.2 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.038 | -0.7 | |
| | | | Folpet | 0.249 | 34.5% | 0.459 | 3.4 | |
| | | | Phthalimide | 0.098 | 51.5% | FN | -3.6 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.136 | -0.4 | |
| | | | THPI | 0.590 | 23.2% | 0.305 | -1.9 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.26 | -0.5 | n.c. |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | 0.08 | 1.2 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.879 | 0.0 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.253 | 1.1 | |
| 105 | A | | Captan | 0.172 | 34.2% | 0.17 | 0.0 | 0.9 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.17 | 0.5 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.153 | 0.0 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.23 | 0.9 | |
| | | | Dodine | 0.100 | 23.1% | 0.076 | -1.0 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.034 | -1.0 | |
| | | | Folpet | 0.249 | 34.5% | 0.23 | -0.3 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.17 | 2.9 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.11 | -1.1 | |
| | | | THPI | 0.590 | 23.2% | 0.83 | 1.6 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.25 | -0.6 | n.c. |
| | | | ETU | 0.063 | 33.1% | 0.053 | -0.6 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 2.21(o) | 6.1 | |

| Lab | Code | Cat | Analyte | prAV [mg/kg] | CV* % | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|-----|-----------------------|-----------------|----------|-----------------|------------------|--------------|
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.53 | -0.1 | |
| 106 | A | | Captan | 0.172 | 34.2% | FN | -3.5 | 1.3 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.124 | -0.7 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.139 | -0.4 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.146 | -0.9 | |
| | | | Dodine | 0.100 | 23.1% | 0.109 | 0.4 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.031 | -1.3 | |
| | | | Folpet | 0.249 | 34.5% | 0.232 | -0.3 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.19 | 3.8 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.175 | 0.7 | |
| | | | THPI | 0.590 | 23.2% | 0.744 | 1.0 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.318 | 0.3 | n.c. |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.746 | -0.6 | |
| | | | Meptyldinocap | 0.100 | 54.6% | 0.764(o) | 26.6 | |
| 107 | A | | Captan | 0.172 | 34.2% | 0.144 | -0.7 | 0.9 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.153 | 0.1 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.158 | 0.1 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.1883 | 0.0 | |
| | | | Dodine | 0.100 | 23.1% | 0.0874 | -0.5 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.037 | -0.8 | |
| | | | Folpet | 0.249 | 34.5% | 0.219 | -0.5 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.248(o) | 11.4 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.141 | -0.2 | |
| | | | THPI | 0.590 | 23.2% | 0.474 | -0.8 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.408 | 1.5 | n.c. |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.411 | -1.0 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.179 | -0.4 | |
| 109 | A | | Captan | 0.172 | 34.2% | 0.046 | -2.9 | 1.8 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.20 | 1.3 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.075 | -2.1 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | FN | -3.6 | |
| | | | Dodine | 0.100 | 23.1% | 0.072 | -1.1 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.045 | -0.1 | |
| | | | Folpet | 0.249 | 34.5% | 0.11 | -2.2 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.18 | 3.3 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.12 | -0.8 | |
| | | | THPI | 0.590 | 23.2% | 0.63 | 0.3 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.26 | -0.5 | n.c. |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.78 | -0.4 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | FN | -3.6 | |
| | | | Meptyldinocap | 0.100 | 54.6% | 3.5(o) | 136.0 | |
| 110 | A | | Captan | 0.172 | 34.2% | FN | -3.8 | 2.1 |
| | | | Chlorothalonil | 0.151 | 24.4% | 0.0501 | -2.7 | |
| | | | Cyromazine | 0.154 | 20.3% | 0.168 | 0.4 | |
| | | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.17 | -0.4 | |
| | | | Dodine | 0.100 | 23.1% | 0.123 | 0.9 | |
| | | | Emamectin B1a | 0.046 | 21.5% | 0.04 | -0.5 | |
| | | | Folpet | 0.249 | 34.5% | 0.1021 | -2.4 | |
| | | | Phthalimide | 0.098 | 51.5% | 0.226(o) | 11.4 | |
| | | | Pymetrozine | 0.150 | 28.2% | 0.066 | -2.2 | |
| | | | THPI | 0.590 | 23.2% | 1.001 | 2.8 | |
| | | | Bifenazate (sum) | 0.296 | 26.0% | 0.457 | 2.2 | 1.4 |
| | | | Chloridazon-desphenyl | 0.061 | 27.4% | FN | -3.3 | |
| | | | ETU | 0.063 | 33.1% | 0.043 | -1.3 | |
| | | | Formetanate-HCl | 0.873 | 25.5% | 0.643 | -1.1 | |
| | | | Maleic hydrazide | 0.544 | 16.6% | 0.54 | 0.0 | |
| | | | Oxymatrine | 0.198 | 22.4% | 0.183 | -0.3 | |

| Lab | Code | Category | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|------|------------------------|------------------------|-----------------|-------|-----------------|------------------|--------------|
| | | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.044 | -0.9 | |
| 111 | A | Captan | | 0.172 | 34.2% | 0.19 | 0.4 | 1.2 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.174 | 0.6 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.14 | -0.4 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.135 | -1.1 | |
| | | Dodine | | 0.100 | 23.1% | 0.13 | 1.2 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.051 | 0.4 | |
| | | Folpet | | 0.249 | 34.5% | 0.84(o) | 9.5 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.21 | 4.6 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.096 | -1.4 | |
| | | THPI | | 0.590 | 23.2% | 0.70 | 0.7 | |
| | | Bifenazate (sum) | | 0.296 | 26.0% | 0.29 | -0.1 | 0.5 |
| | | ETU | | 0.063 | 33.1% | 0.085 | 1.4 | |
| | | Formetanate-HCl | | 0.873 | 25.5% | 0.635 | -1.1 | |
| | | Maleic hydrazide | | 0.544 | 16.6% | 0.548 | 0.0 | |
| | | Oxymatrine | | 0.198 | 22.4% | 0.197 | 0.0 | |
| 112 | A | Captan | | 0.172 | 34.2% | 0.585(o) | 9.6 | 2.0 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.152 | 0.0 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.158 | 0.1 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.272 | 1.8 | |
| | | Dodine | | 0.100 | 23.1% | 0.138 | 1.5 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.087 | 3.6 | |
| | | Folpet | | 0.249 | 34.5% | 0.458 | 3.4 | |
| | | Phthalimide | | 0.098 | 51.5% | 0.063 | -1.4 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.109 | -1.1 | |
| | | THPI | | 0.590 | 23.2% | 0.247 | -2.3 | |
| | | Bifenazate (sum) | | 0.296 | 26.0% | 0.182 | -1.5 | 1.4 |
| | | ETU | | 0.063 | 33.1% | 0.064 | 0.1 | |
| | | Formetanate-HCl | | 0.873 | 25.5% | FN | -4.0 | |
| | | Maleic hydrazide | | 0.544 | 16.6% | 0.498 | -0.3 | |
| | | Oxymatrine | | 0.198 | 22.4% | 0.253 | 1.1 | |
| 113 | B | 2,4-DNOP (free phenol) | | 0.056 | 45.1% | FN | -3.3 | |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.110 | -1.1 | 0.8 |
| | | Cyromazine | | 0.154 | 20.3% | 0.136 | -0.5 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.20 | 0.3 | |
| | | Dodine | | 0.100 | 23.1% | 0.109 | 0.4 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.209 | 1.6 | |
| 114 | B | Formetanate-HCl | | 0.873 | 25.5% | FN | -4.0 | n.c. |
| | | Captan | | 0.172 | 34.2% | 0.213 | 1.0 | 0.4 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.169 | 0.5 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.154 | 0.0 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.175 | -0.3 | |
| | | Dodine | | 0.100 | 23.1% | 0.0942 | -0.2 | |
| | | Emamectin B1a | | 0.046 | 21.5% | 0.0419 | -0.4 | |
| | | Folpet | | 0.249 | 34.5% | 0.284 | 0.6 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.145 | -0.1 | |
| | | Bifenazate (sum) | | 0.296 | 26.0% | 0.237 | -0.8 | n.c. |
| 115 | B | Chloridazon-desphenyl | | 0.061 | 27.4% | FN | -3.5 | |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.14 | -0.3 | 0.5 |
| | | Cyromazine | | 0.154 | 20.3% | 0.11 | -1.1 | |
| | | DTCs (expr. as CS2) | | 0.187 | 28.4% | 0.19 | 0.1 | |
| | | Dodine | | 0.100 | 23.1% | 0.089 | -0.4 | |
| | | Pymetrozine | | 0.150 | 28.2% | 0.13 | -0.5 | |
| 117 | A | Formetanate-HCl | | 0.873 | 25.5% | 0.82 | -0.2 | n.c. |
| | | Captan | | 0.172 | 34.2% | 0.117 | -1.3 | 0.7 |
| | | Chlorothalonil | | 0.151 | 24.4% | 0.133 | -0.5 | |
| | | Cyromazine | | 0.154 | 20.3% | 0.174 | 0.5 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | AAZ |
|-----|-----|------------------------|-----------------|-------|-----------------|------------------|------|
| | | Dodine | 0.100 | 23.1% | 0.118 | 0.7 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0275 | -1.6 | |
| | | Folpet | 0.249 | 34.5% | 0.194 | -0.9 | |
| | | Phthalimide | 0.098 | 51.5% | 0.109 | 0.4 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.151 | 0.0 | |
| | | THPI | 0.590 | 23.2% | 0.482 | -0.7 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.319 | 0.3 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.928 | 0.3 | |
| | | 2,4-DNOP (free phenol) | 0.056 | 45.1% | 0.122 | 4.7 | |
| | | Meptyldinocap | 0.100 | 54.6% | 3.23(o) | 125.2 | |
| | | Meptyldinocap (sum) | 0.169 | 50.5% | 3.38(o) | 76.0 | |
| 118 | B | Captan | 0.172 | 34.2% | 0.191 | 0.4 | 0.5 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.186 | 0.9 | |
| | | Cyromazine | 0.154 | 20.3% | 0.163 | 0.2 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.193 | 0.1 | |
| | | Dodine | 0.100 | 23.1% | 0.102 | 0.1 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0460 | 0.0 | |
| | | Folpet | 0.249 | 34.5% | 0.267 | 0.3 | |
| | | Phthalimide | 0.098 | 51.5% | 0.110 | 0.5 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.0890 | -1.6 | |
| | | THPI | 0.590 | 23.2% | 0.507 | -0.6 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.271 | -0.3 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.00 | 0.6 | |
| 119 | B | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.243 | 1.2 | n.c. |
| 120 | A | Captan | 0.172 | 34.2% | 0.03 | -3.3 | 1.5 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.143 | -0.2 | |
| | | Cyromazine | 0.154 | 20.3% | 0.221 | 1.7 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.038 | -3.2 | |
| | | Dodine | 0.100 | 23.1% | 0.113 | 0.5 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.049 | 0.3 | |
| | | Folpet | 0.249 | 34.5% | 0.294 | 0.7 | |
| | | Phthalimide | 0.098 | 51.5% | 0.13 | 1.3 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.197 | 1.3 | |
| | | THPI | 0.590 | 23.2% | 0.941 | 2.4 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.320 | 0.3 | n.c. |
| | | Chloridazon-desphenyl | 0.061 | 27.4% | FN | -3.3 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 1.113 | 1.1 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.274 | 1.5 | |
| | | Meptyldinocap | 0.100 | 54.6% | 1.274(o) | 47.0 | |
| 122 | B | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.259 | 1.5 | n.c. |
| 123 | B | Captan | 0.172 | 34.2% | 0.173 | 0.0 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.163 | 0.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.215 | 1.6 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.0813 | -2.3 | |
| | | Folpet | 0.249 | 34.5% | 0.273 | 0.4 | |
| | | Phthalimide | 0.098 | 51.5% | 0.0823 | -0.6 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.164 | 0.4 | |
| | | THPI | 0.590 | 23.2% | 0.347 | -1.6 | |
| 124 | B | Captan | 0.172 | 34.2% | 0.041 | -3.0 | 1.8 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.079 | -1.9 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.208 | 0.4 | |
| | | Folpet | 0.249 | 34.5% | 0.100 | -2.4 | |
| | | Phthalimide | 0.098 | 51.5% | 0.174 | 3.1 | |
| | | THPI | 0.590 | 23.2% | 0.566 | -0.2 | |
| 125 | B | Captan | 0.172 | 34.2% | 0.089 | -1.9 | 1.1 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.150 | 0.0 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.165 | -0.5 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|---|-----------------|-------|-----------------|------------------|--------------|
| 126 | B | Dodine | 0.100 | 23.1% | 0.081 | -0.8 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.053 | 0.6 | |
| | | Folpet | 0.249 | 34.5% | 0.131 | -1.9 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.071 | -2.1 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.279 | -0.2 | n.c. |
| 126 | B | Chlorothalonil | 0.151 | 24.4% | 0.169 | 0.5 | 1.3 |
| | | Cyromazine | 0.154 | 20.3% | 0.172 | 0.5 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.060 | 1.2 | |
| | | Folpet | 0.249 | 34.5% | 0.130 | -1.9 | |
| | | Phthalimide | 0.098 | 51.5% | 0.187 | 3.6 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.157 | 0.2 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.21 | -1.2 | n.c. |
| 127 | B | Formetanate-HCl | 0.873 | 25.5% | 1.02 | 0.7 | |
| | | Chlorothalonil | 0.151 | 24.4% | 0.12 | -0.8 | 1.6 |
| | | Cyromazine | 0.154 | 20.3% | 0.11 | -1.1 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.12 | -1.4 | |
| | | Dodine | 0.100 | 23.1% | 0.09 | -0.4 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.03 | -1.4 | |
| | | Phthalimide | 0.098 | 51.5% | 0.16 | 2.5 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.41(o) | 6.9 | |
| | | THPI | 0.590 | 23.2% | 0.61 | 0.1 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.28 | -0.2 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.85 | -0.1 | |
| 128 | A | Maleic hydrazide | 0.544 | 16.6% | 0.51 | -0.3 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.24 | 0.8 | |
| | | Meptyldinocap | 0.100 | 54.6% | 0.53(o) | 17.2 | |
| | | Captan | 0.172 | 34.2% | 1.437(o) | 29.4 | 2.1 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.162 | 0.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.156 | 0.1 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.205 | 0.4 | |
| | | Dodine | 0.100 | 23.1% | 0.096 | -0.2 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.042 | -0.3 | |
| | | Folpet | 0.249 | 34.5% | 0.587 | 5.4 | |
| 14 | B | Phthalimide | 0.098 | 51.5% | 0.291(o) | 11.4 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.152 | 0.1 | |
| | | THPI | 0.590 | 23.2% | 1.437 | 5.7 | |
| | | ETU | 0.063 | 33.1% | 0.055 | -0.5 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.883 | 0.0 | |
| | | Results of labs based in countries outside the EU/EFTA zone | | | | | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0372 | -0.8 | n.c. |
| | | Pymetrozine | 0.150 | 28.2% | 0.0880 | -1.7 | |
| | | Captan | 0.172 | 34.2% | 0.11 | -1.4 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.13 | -0.6 | |
| 27 | A | Cyromazine | 0.154 | 20.3% | 0.184 | 0.8 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.19 | 0.1 | |

| Lab | Cat | Analyte | prAV [mg/kg] | CV* | Conc [mg/kg] | Prel. z-Score | Prel. AAZ |
|-----|-----|-----------------------|-----------------|-------|-----------------|------------------|--------------|
| 83 | A | Dodine | 0.100 | 23.1% | 0.148 | 1.9 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.055 | 0.8 | |
| | | Folpet | 0.249 | 34.5% | 0.19 | -0.9 | |
| | | Phthalimide | 0.098 | 51.5% | 0.21 | 4.6 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.195 | 1.2 | |
| | | THPI | 0.590 | 23.2% | 0.633 | 0.3 | |
| | | Bifenazate (sum) | 0.296 | 26.0% | 0.501 | 2.8 | n.c. |
| 83 | A | Chloridazon-desphenyl | 0.061 | 27.4% | 0.105 | 2.9 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.94 | 0.3 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.483 | -0.4 | |
| | | Captan | 0.172 | 34.2% | 0.0795 | -2.2 | 1.5 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.192 | 1.1 | |
| | | Cyromazine | 0.154 | 20.3% | 0.122 | -0.8 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.090 | -2.1 | |
| | | Dodine | 0.100 | 23.1% | 0.121 | 0.8 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.0362 | -0.9 | |
| | | Folpet | 0.249 | 34.5% | 0.260 | 0.2 | |
| | | Phthalimide | 0.098 | 51.5% | 0.240 | 5.8 | |
| 103 | B | Pymetrozine | 0.150 | 28.2% | 0.136 | -0.4 | |
| | | THPI | 0.590 | 23.2% | 0.760 | 1.2 | |
| | | ETU | 0.063 | 33.1% | 0.0730 | 0.6 | n.c. |
| | | Formetanate-HCl | 0.873 | 25.5% | FN | -4.0 | |
| | | Maleic hydrazide | 0.544 | 16.6% | 0.425 | -0.9 | |
| | | Oxymatrine | 0.198 | 22.4% | 0.156 | -0.8 | |
| | | Captan | 0.172 | 34.2% | FN | -3.5 | 1.8 |
| 108 | A | Chlorothalonil | 0.151 | 24.4% | FN | -3.7 | |
| | | Cyromazine | 0.154 | 20.3% | 0.128 | -0.7 | |
| | | Dodine | 0.100 | 23.1% | 0.110 | 0.4 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.069 | 2.0 | |
| | | Folpet | 0.249 | 34.5% | 0.153 | -1.5 | |
| | | Phthalimide | 0.098 | 51.5% | 0.150 | \2.1 | |
| | | Pymetrozine | 0.150 | 28.2% | 0.191 | 1.1 | |
| 108 | A | THPI | 0.590 | 23.2% | 0.793 | 1.4 | |
| | | Captan | 0.172 | 34.2% | 0.100 | -1.7 | 0.9 |
| | | Chlorothalonil | 0.151 | 24.4% | 0.141 | -0.3 | |
| | | Cyromazine | 0.154 | 20.3% | 0.159 | 0.1 | |
| | | DTCs (expr. as CS2) | 0.187 | 28.4% | 0.186 | 0.0 | |
| | | Dodine | 0.100 | 23.1% | 0.145 | 1.8 | |
| | | Emamectin B1a | 0.046 | 21.5% | 0.055 | 0.8 | |
| | | Phthalimide | 0.098 | 51.5% | 0.171 | 3.0 | |
| 27 | A | Pymetrozine | 0.150 | 28.2% | 0.169 | 0.5 | |
| | | THPI | 0.590 | 23.2% | 0.547 | -0.3 | |
| | | Formetanate-HCl | 0.873 | 25.5% | 0.805 | -0.3 | n.c. |
| | | Oxymatrine | 0.198 | 22.4% | 0.133 | -1.3 | |

Table 4: False positive results in the EUPT-SRM17

| Lab Code | Compound | MRRL | Analysed | Detected | Conc [mg/kg] | RL [mg/kg] | Judgement (preliminary) |
|---|---------------------|------|----------|----------|--------------|------------|---|
| 74 | Paraquat (dication) | 0.01 | Yes | Yes | 0.92 | 0.01 | FP |
| 75 | BAC-C12 (chloride) | 0.02 | Yes | Yes | 0.68 | 0.02 | FP |
| 75 | DDAC-C10 (chloride) | 0.01 | Yes | Yes | 0.099 | 0.01 | FP |
| 102 | Matrine | 0.02 | Yes | Yes | 0.029 | 0.02 | FP |
| 70 | TFNG | 0.01 | Yes | Yes | 0.0147 | 0.01 | Not FP. TFNG was present in trace amount in the test material. Not FP, TFNG was present in trace amount in the test material and reported result < or = RL and MRRL. |
| 89 | TFNG | 0.01 | Yes | Yes | 0.011 | 0.01 | |
| 15 | TFNG | 0.01 | Yes | Yes | 0.00639 | 0.01 | |
| 30 | TFNG | 0.01 | Yes | Yes | 0.004 | 0.01 | |
| 47 | TFNG | 0.01 | Yes | Yes | 0.004 | 0.01 | |
| 90 | TFNG | 0.01 | Yes | Yes | 0.010 | 0.01 | |
| 112 | TFNG | 0.01 | Yes | Yes | 0.006 | 0.01 | |
| Results of labs based in countries outside the EU/EFTA zone | | | | | | | |
| 103 | TFNA | 0.01 | Yes | Yes | 0.115 | 0.01 | FP |
| 103 | TFNG | 0.01 | Yes | Yes | 0.0087 | 0.01 | Not FP. TFNG was present in trace amount in the test material and reported result < RL and MRRL. |

Table 5: Target Pesticide List for the EUPT-SRM17 2022 (Tomato Homogenate), update on 28.01.2022

| MANDATORY ANALYTES | | | |
|------------------------|--|---------|--------------|
| Analytes Name | Residue definition for the PT and additional remarks | MACP/WD | MRRL (mg/kg) |
| Avermectin B1a | Main component of abamectin; expressed as avermectin B1a | MACP | 0.01 |
| Captan | | MACP | 0.02 |
| THPI | Tetrahydropthalimide (degradant of captan), expressed as THPI | MACP | 0.01 |
| Chlormequat (chloride) | Expressed as chlormequat <u>chloride salt</u> | MACP | 0.01 |
| Chlorothalonil | | MACP | 0.01 |
| Cyromazine | | MACP | 0.02 |
| Dithianon | | MACP | 0.02 |
| Dodine | Expressed as dodine (free base) | MACP | 0.01 |
| Dithiocarbamates | Determined and expressed as carbon disulphide (CS ₂) | MACP | 0.02 |
| Emamectin B1a | Main component of emamectin; expressed as emamectin B1a (free base) | MACP | 0.01 |
| Fenbutatin oxide | | MACP | 0.01 |
| Folpet | | MACP | 0.02 |
| Phthalimide | Degradant of Folpet, expressed as phthalimide | MACP | 0.01 |
| Mepiquat (chloride) | Expressed as mepiquat <u>chloride salt</u> | MACP | 0.01 |
| Pymetrozine | | MACP | 0.02 |
| TFNA | Metabolite of flonicamid, expressed as TFNA (free acid) | MACP | 0.01 |
| TFNG | Metabolite of flonicamid, expressed as TFNG (free acid) | MACP | 0.01 |
| OPTIONAL ANALYTES | | | |
| Analytes Name | Residue definition for the PT and additional remarks | MACP/WD | MRRL (mg/kg) |
| BAC-C12 (chloride) | Benzylidimethyldecylammonium chloride, expressed as <u>chloride salt</u> | WD | 0.02 |
| Bifenazate (sum) | Sum of bifenazate and bifenazate-diazene (expressed as bifenazate) | WD | 0.03 |
| Chloridazon-desphenyl | Expressed as chloridazon-desphenyl | WD | 0.02 |
| DDAC-C10 (chloride) | Didecyldimethylammonium chloride, expressed as <u>chloride salt</u> | WD | 0.01 |
| Diquat | Expressed as diquat dication | WD | 0.03 |

| | | | |
|----------------------------|--|------------------|------|
| ETU | Ethylene thiourea, degradant of ethylene-bis-dithiocarbamates | None | 0.01 |
| Formetanate-HCl | Expressed as formetanate hydrochloride salt | MACP | 0.01 |
| Maleic hydrazide | Expressed as maleic-hydrazide (free acid) | MACP** | 0.05 |
| Matrine | Expressed as matrine (free base) | WD | 0.02 |
| Meptyldinocap | | WD | 0.02 |
| 2,4-DNOP | Metabolite of meptyldinocap, expressed as 2,4-DNOP (free phenol) | WD | 0.01 |
| Meptyldinocap (sum) | Sum of meptyldinocap and 2,4-DNOP following chemical conversion to 2,4-DNOP (expressed as meptyldinocap) | WD | 0.01 |
| Nicotine | Expressed as nicotine (free base) | WD | 0.01 |
| Oxymatrine | Expressed as oxymatrine (free base) | WD (2021) | 0.01 |
| Paraquat | Expressed as paraquat dication | WD | 0.01 |
| PTU | N,N'-(1,2-propylene)thiourea, degradant of propylene-bis-dithiocarbamates | None | 0.01 |
| Trimesium cation | Expressed as trimesium cation | WD | 0.01 |

MACP-Reg.: REGULATION (EU) 2020/585 of 27 April 2020

WD: Working document on pesticides to be considered for inclusion in the national control programs to ensure compliance with maximum residue levels of pesticides residues in and on food of plant and animal origin; SANCO/12745/2013; 23–24 November 2020 rev. 12(2)

* Only mandatory (=compulsory) analytes will be considered in the scope-based classification, optional (=voluntary) analytes not. Please also refer to the **EUPT General Protocol**.

** inclusion of MH in the MACP was decided at technical level in 2021