

# Hearshaw and Kinnes Analytical Laboratory (Pty) Ltd.



Lab No. T0232

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## Test Report

Werda Boerdery  
P.O. Box 5298  
Worcester  
6851

Report Reference: 188485  
07/02/2020

Attention: Pieter Conradie

Customer Reference:

Report on one sample(s) sent for pesticide residue analysis, received on 06/02/2020

This report is issued in accordance with the requirements of ISO/IEC 17025. Samples were analysed in accordance with analytical method(s) FF01/FF02/LCMS/ET02.

Analysis started: 06/02/2020

# MRL: European Union

All samples were received in a condition adequate for testing.

## Results Summary

Internal Reference: 20074135

### Sample Description

GGN 4052852807173  
Sample No. 001  
Inspection Point 8004  
Date 06/02/2020  
Producer Code H0116  
Orchard CS1  
Commodity Grape  
Cultivar Crimson Seedless

| <i>Pesticide(s) Detected</i> | <i>Residue</i> | <i>MRL</i> |
|------------------------------|----------------|------------|
| Boscalid                     | 0.078 mg/kg    | 5.0 mg/kg  |
| Ethephon                     | 0.058 mg/kg    | 1.0 mg/kg  |
| Fluopyram                    | 0.14 mg/kg     | 1.5 mg/kg  |
| Penconazole                  | 0.030 mg/kg    | 0.5 mg/kg  |
| Sulfoxaflor                  | 0.014 mg/kg    | 2.0 mg/kg  |

This report applies only to the samples analysed.

### Technical Signatory

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The results on this report apply to the samples(s) as received.

# While all reasonable care has been taken in checking and updating the MRL information on this report, Hearshaw and Kinnes Analytical Laboratory (Pty) Ltd. accepts no responsibility for the accuracy, reliability or completeness of the information provided.

The expanded uncertainty of measurement of the results on this report are < 50% at the 95% confidence level with a coverage factor of 2, in accordance with SANTE/11813/2017, paragraph E10, Revision 0, 2017

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The following compounds were sought, but not detected above their reporting limits [mg/kg], for the sample(s) on report 188485, unless specified in the body of the report.

## FF01 (GC-ECD)

|        |     |        |     |
|--------|-----|--------|-----|
| Captab | 0.1 | Folpet | 0.1 |
|--------|-----|--------|-----|

## LCMS (LC-MSMS)

|   |      |  |       |   |      |
|---|------|--|-------|---|------|
| 2,4D (Free Acid)  | 0.01 | Abamectin  | 0.01  | Acephate  | 0.01 |
| Acetamiprid   | 0.01 | Acetochlor   | 0.01  | Acibenzolar-S-Methyl  | 0.01 |
| Aldicarb  | 0.01 | Aldicarb Sulphone (Aldoxycarb)   | 0.01  | Aldicarb Sulphoxide   | 0.01 |
| Ametoctradin  | 0.01 | Ametryn  | 0.01  | Atrazine  | 0.01 |
| Azadirachtin  | 0.01 | Benalaxyl  | 0.01  | Benomyl (see Carbendazim)   | 0.01 |
| Bentazone   | 0.01 | Benthiavalcarb-isopropyl   | 0.01  | Benzalkonium chloride (mixture of alkylbenzyltrimethylammonium chlorides with alkyl chain lengths of C10, C12, C14 and C16) | 0.05 |
| Bitertanol  | 0.01 | Bromoxynil   | 0.01  | Bromuconazole (sum of diastereoisomers)   | 0.01 |
| Buprofezin  | 0.01 | Cadusafos  | 0.01  | Carbaryl  | 0.01 |
| Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim) | 0.01 | Carbofuran   | 0.01  | Chloramizol (Imazalil)  | 0.01 |
| Chlorantraniliprole   | 0.01 | Chlorsulfuron  | 0.01  | Clethodim   | 0.01 |
| Clofentezine  | 0.01 | Cloprop  | 0.01  | Clothianidin  | 0.01 |
| Cyanazine   | 0.01 | Cyantraniliprole   | 0.01  | Cyhexatin   | 0.01 |
| Cymoxanil   | 0.01 | Cyprodinil   | 0.01  | Demeton-S-Methyl  | 0.01 |
| Demeton-S-methyl Sulphone   | 0.01 | Demeton-S-Methyl-Sulfoxide   | 0.01  | Diafenthiuron   | 0.01 |
| Dichlorprop (Free Acid) (including Dichlorprop-P)                                 | 0.01 | Dichlorvos   | 0.01  | Diclosulam  | 0.01 |
| Didecyldimethylammonium Chloride  | 0.02 | Diethyltoluamide   | 0.01  | Difenoconazole  | 0.01 |
| Diflubenzuron   | 0.01 | Diflufenican   | 0.01  | Dimethoate  | 0.01 |
| Dimethomorph  | 0.01 | Dioxacarb  | 0.01  | Diuron  | 0.01 |
| Dodine  | 0.01 | Emamectin  | 0.01  | Epoxiconazole   | 0.01 |
| Etoxazole   | 0.01 | Fenamidon  | 0.01  | Fenamiphos  | 0.01 |
| Fenazaquin  | 0.01 | Fenbuconazole  | 0.01  | Fenbutatin-Oxide  | 0.01 |
| Fenhexamid  | 0.01 | Fenoxycarb   | 0.05  | Fenpyroximate   | 0.01 |
| Fentin Hydroxide  | 0.01 | Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil) (F) | 0.005 | Fipronil sulfone  | 0.01 |
| Fonicamid (Sum of Fonicamid & Fonicamid TFNA & Fonicamid TFNG)                    | 0.01 | Fluzifop-P-Butyl   | 0.01  | Fluazinam   | 0.01 |
| Flubendiamide   | 0.01 | Fludioxonil  | 0.01  | Flufenoxuron  | 0.01 |
| Flumetsulam   | 0.01 | Fluopicolide   | 0.01  | Fluopyram   | 0.01 |

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## LCMS (LC-MSMS)

|   |      |   |      |  |      |
|---|------|---|------|--|------|
| Fluquinconazole   | 0.01 | Flusilazole   | 0.01 | Fluxapyroxad   | 0.01 |
| Fomesafen   | 0.01 | Formetanate   | 0.01 | Haloxypof methyl   | 0.01 |
| Imazapyr  | 0.01 | Imazethapyr   | 0.01 | Imidacloprid   | 0.01 |
| Indoxacarb  | 0.01 | Iprovalicarb  | 0.01 | Linuron  | 0.01 |
| Lufenuron   | 0.01 | Malaoxon  | 0.01 | Mandipropamid  | 0.01 |
| MCPA  | 0.01 | Mefenoxam (Metalaxyl)                                     | 0.01 | Mesotrione   | 0.01 |
| Methamidophos   | 0.01 | Methiocarb (Sum of Methiocarb, its sulphone & sulphoxide) | 0.01 | Methiocarb sulfoxide                                     | 0.01 |
| Methiocarb-sulfone  | 0.01 | Methomyl  | 0.01 | Methoxyfenocide  | 0.01 |
| Mevinphos   | 0.01 | Monocrotophos   | 0.01 | Novaluron  | 0.01 |
| Omethoate   | 0.01 | Oryzalin  | 0.01 | Oxamyl (sum of oxamyl and its oxime expressed as oxamyl) | 0.01 |
| Oxamyl-oxime  | 0.01 | Oxydemeton-methyl   | 0.01 | Paclobutrazole   | 0.01 |
| Penthiopyrad  | 0.01 | Phosalone   | 0.01 | Phoxim   | 0.01 |
| Piperonyl Butoxide  | 0.01 | Pirimicarb  | 0.01 | Prochloraz   | 0.01 |
| Prometryn   | 0.01 | Propamocarb   | 0.01 | Propaquizafop  | 0.01 |
| Propargite  | 0.01 | Prosulfocarb  | 0.01 | Prothioconazole  | 0.01 |
| Pymetrozine   | 0.01 | Pyraclostrobin  | 0.01 | Pyridaben  | 0.01 |
| Pyridate  | 0.01 | Pyrimethanil  | 0.01 | Pyriproxyfen   | 0.01 |
| Rimsulfuron   | 0.01 | Simazine  | 0.01 | Spinetoram   | 0.01 |
| Spinosad  | 0.01 | Spirodiclofen   | 0.01 | Spiromesifen   | 0.01 |
| Spirotetramat (BYI08330-enol, BYI08330-ketohydroxy and BYI08330-enol-glucoside), expressed as Spirotetramat | 0.01 | Spiroxamine   | 0.01 | Sulfoxaflor  | 0.01 |
| Tebuconazole  | 0.01 | Tebufenozide  | 0.01 | Tebuthiuron  | 0.01 |
| Teflubenzuron   | 0.01 | Terbuthylazine  | 0.01 | Tetrachlorvinphos  | 0.01 |
| Thiabendazole   | 0.01 | Thiacloprid   | 0.01 | Thiadiazuron   | 0.01 |
| Thiamethoxam (Sum of thiamethoxam and clothianidin, expressed as thiamethoxam)                              | 0.01 | * Thiophanate-methyl                                      | 0.01 | Triadimefon  | 0.02 |
| Triadimenol   | 0.02 | Trichlorfon   | 0.01 | Trifloxystrobin  | 0.01 |
| Triflumuron   | 0.01 | Triforine   | 0.01 | Triticonazole  | 0.01 |
| Valifenalate  | 0.01 | Vamidothion   | 0.01 |  |      |

## ET02

Ethephon 0.05

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## FF02

|  |      |                             |      |  |      |
|--|------|-----------------------------|------|--|------|
| 2,4-DDE  | 0.01 | 2,4-DDT                     | 0.01 | 4,4-DDE  | 0.01 |
| 4,4-DDT  | 0.01 | Acrinathrin                 | 0.01 | Alachlor   | 0.01 |
| Aldrin   | 0.01 | Allethrin                   | 0.01 | Azaconazole  | 0.01 |
| Azinphos-ethyl   | 0.01 | Azinphos-methyl             | 0.01 | Azoxystrobin   | 0.01 |
| Bendiocarb   | 0.01 | Bifenthrin (sum of isomers) | 0.01 | Boscalid   | 0.01 |
| Bromophos-Ethyl  | 0.01 | Bromophos-Methyl            | 0.01 | Bromopropylate   | 0.01 |
| Bupirimate   | 0.01 | Carbophenothion             | 0.01 | Chinomethionate  | 0.01 |
| Chlordane Alpha  | 0.01 | Chlordane Gamma             | 0.01 | Chlorfenvinphos  | 0.01 |
| Chlorothalonil   | 0.01 | Chlorphenapyr               | 0.01 | Chlorpyrifos   | 0.01 |
| Chlorpyrifos-methyl  | 0.01 | Chlorthal-dimethyl          | 0.01 | Clomazone  | 0.01 |
| Coumaphos  | 0.01 | Cycloate                    | 0.01 | Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers)) | 0.01 |
| Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)) | 0.01 | Cyproconazole               | 0.01 | Deltamethrin   | 0.01 |
| Desmetryne   | 0.01 | Dichlofluanid               | 0.01 | Diclofop-methyl  | 0.01 |
| Dicloran   | 0.01 | Dieldrin                    | 0.01 | Dinobuton  | 0.01 |
| Diofenolan   | 0.01 | Diphenylamine               | 0.01 | Endosulfan (Sum of alpha, beta endosulfan and endosulfan sulphate)                       | 0.01 |
| EPN  | 0.01 | Etaconazole                 | 0.01 | Ethion   | 0.01 |
| Ethoprophos  | 0.01 | * Ethoxyquin                | 0.05 | Etofenprox   | 0.01 |
| Famoxadone   | 0.01 | Fenarimol                   | 0.01 | Fenitrothion   | 0.01 |
| Fenoxaprop-P-ethyl   | 0.01 | Fenpropathrin               | 0.01 | Fenthion   | 0.01 |
| Fenvalerate (Sum of isomers, including esfenvalerate)  | 0.01 | Flamprop-methyl             | 0.01 | Fluorochloridone   | 0.01 |
| Flutriafol   | 0.01 | Gamma HCH (Lindane)         | 0.01 | Heptachlor   | 0.01 |
| Hexaconazole   | 0.01 | Iprodione                   | 0.01 | Isofenphos   | 0.01 |
| Kresoxim-methyl  | 0.01 | Lambda-Cyhalothrin          | 0.01 | Mercaptothion (Malathion)  | 0.01 |
| Metazachlor  | 0.01 | Methidathion                | 0.01 | Metolachlor  | 0.01 |
| Metrafenone  | 0.01 | Metribuzin                  | 0.01 | Myclobutanil   | 0.01 |
| Nitrothal-isopropyl  | 0.01 | Nuarimol                    | 0.01 | Ofurace  | 0.01 |
| Ortho Phenyl Phenol (2-Phenylphenol)   | 0.01 | Oxadixyl                    | 0.01 | Parathion-ethyl  | 0.01 |
| Parathion-methyl   | 0.01 | Penconazole                 | 0.01 | Pendimethalin  | 0.01 |
| Pentachoroaniline  | 0.01 | Permethrin (sum of isomers) | 0.01 | Phenthoate   | 0.01 |
| Phorate  | 0.01 | Phosmet                     | 0.01 | Picoxystrobin  | 0.01 |
| Procymidone  | 0.01 | Profenofos                  | 0.01 | Promecarb  | 0.01 |
| Propiconazole (sum of isomers)   | 0.01 | Propyzamide                 | 0.01 | Proquinazid  | 0.01 |
| Prothiofos   | 0.01 | Pyraflufen-ethyl            | 0.01 | Quinoxifen   | 0.01 |
| Sulfentrazone  | 0.01 | tau-Fluvalinate             | 0.01 | Terbufos   | 0.01 |
| Tetraconazole  | 0.01 | Tetradifon                  | 0.01 | Triazophos   | 0.01 |

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## FF02

|             |      |             |      |             |      |
|-------------|------|-------------|------|-------------|------|
| Trifluralin | 0.01 | Uniconazole | 0.01 | Vinclozolin | 0.01 |
| Zoxamide    | 0.01 |             |      |             |      |

\* Indicates that this determination is not included in the scope of accreditation for the laboratory

\*\*\*\*\* End of Report \*\*\*\*\*