



2019 QUARANTINE REPORT

Queensland

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Important Information for Quarantined (Harvested but not released) Trials

To ensure the results of NVT remain robust, relevant and of the highest quality, it is agreed policy to exclude quarantined trial data from the published reports. Frost, wind and hail damage and drought events are random, uncontrollable, unpredictable and extremely variable in both timing and severity of the damage caused. Variety tolerances to frost and many other random climatic events cannot be measured or gauged in field based NVT.

****WARNING****

Data presented within this report provides growers with a transparent account of NVT trials that were severely compromised by various factors rendering them unsuitable for general publication. These trials were harvested but the data was not released as it was deemed of no value for the purposes of head to head variety comparison and should not be used for any variety selection decisions.

Replication of this data is strictly prohibited, and it MUST NOT be used by ANY parties for producing variety brochures and marketing material, sowing guides, grower notes or ANY OTHER publication or communication activities.

Cover: NVT Wheat

Photo: Laurie Fitzgerald NVT Manager Northern Region

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Table 1: 2019 Queensland Unreleased Trials for Wheat and Chickpea.

| STATE | Site Description | Name | Trial Code | Sowing Date | Harvest Date | Site Mean Yield | CV Value |
|-------|------------------|----------|-------------|-------------|--------------|-----------------|----------|
| QLD | Condamine | Wheat | WEaA19COND4 | 30-Apr-19 | 16-Oct-19 | 1.70 | 12.60 |
| QLD | Bungunya | Wheat | WEaA19BUNG4 | 07-Jun-19 | 04-Nov-19 | 0.40 | 13.22 |
| QLD | Bungunya | Wheat | WMaA19BUNG4 | 07-Jun-19 | 04-Nov-19 | 0.46 | 14.74 |
| QLD | Kilcummin | Wheat | WEaA19KILC4 | 13-Apr-19 | 28-Aug-19 | 1.11 | 10.65 |
| QLD | Kilcummin | Wheat | WMaB19KILC4 | 13-Apr-19 | 28-Aug-19 | 0.96 | 11.26 |
| QLD | Mungindi | Chickpea | DMDA19MUNG4 | 21-May-19 | 17-Oct-19 | 0.24 | 15.17 |
| QLD | Brookstead | Chickpea | DMDA19BROO4 | 22-May-19 | 03-Nov-19 | 0.40 | 40.10 |

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2019 Quarantine Report Queensland Wheat.

Early Wheat Trial Yield Data.

| Region | CQ | | SWQ | | SWQ | |
|------------------|---|-----|---|-----|---|-----|
| Nearest Town | Kilcummin | | Bungunya | | Condamine | |
| Crop Type | Wheat | | Wheat | | Wheat | |
| Trial ID | WEaA19KILC4 | | WEaA19BUNG4 | | WEaA19COND4 | |
| Variety Name | tonnes/ha | % | tonnes/ha | % | tonnes/ha | % |
| Coolah | 1.15 | 104 | 0.48 | 119 | 1.40 | 82 |
| Cutlass | 1.24 | 112 | 0.34 | 85 | 1.65 | 97 |
| DS Faraday | 1.07 | 97 | 0.48 | 120 | 1.46 | 86 |
| EG Jet | 1.09 | 98 | - | - | - | - |
| EGA Gregory | 1.30 | 117 | 0.44 | 109 | 1.41 | 83 |
| LRPB Flanker | 1.22 | 110 | 0.43 | 108 | 1.70 | 100 |
| LRPB Gauntlet | 1.09 | 98 | 0.34 | 85 | 1.80 | 106 |
| LRPB Lancer | 1.13 | 102 | 0.40 | 99 | 1.75 | 103 |
| LRPB Reliant | 0.97 | 88 | 0.48 | 121 | 1.72 | 101 |
| Mitch | 1.22 | 110 | 0.36 | 90 | 1.94 | 114 |
| Sunmax | 0.59 | 53 | 0.39 | 98 | 1.43 | 84 |
| Suntime | 0.91 | 82 | 0.38 | 96 | 1.69 | 99 |
| Suntop | - | - | 0.37 | 92 | 1.81 | 106 |
| Site Mean (t/ha) | 1.11 | | 0.40 | | 1.70 | |
| CV (%) | 10.65 | | 13.22 | | 12.60 | |
| Probability | <0.001 | | 0.02 | | 0.14 | |
| LSD (t/ha) | 0.20 | | 0.09 | | 0.37 | |
| Analysis Date | 01/11/2019 | | 12/11/2019 | | 23/10/2019 | |
| Sowing Date | 13/04/2019 | | 07/06/2019 | | 30/04/2019 | |
| Trial Comments | This trial experienced poor establishment and drought conditions resulting in a variable trial. These trial results should not be used to make variety selection decisions. | | This trial experienced poor establishment and drought conditions resulting in a variable trial. This trial has a CV of 13.22 % indicating variability across the trial. These trial results should not be used to make variety selection decisions. | | This trial experienced poor establishment and drought conditions resulting in a variable trial. This trial has a CV of 12.60 % indicating variability across the trial. These trial results should not be used to make variety selection decisions. | |

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Main Wheat Trial Yield data.

| Region Nearest Town Crop Type Trial ID Variety Name | CQ Kilcummin Wheat WMaB19KILC4 tonnes/ha % | | SWQ Bungunya Wheat WMaA19BUNG4 tonnes/ha % | |
|---|---|-----|--|-----|
| Borlaug 100 | - | - | 0.52 | 113 |
| Condo | 0.91 | 94 | 0.49 | 107 |
| DS Faraday | - | - | 0.48 | 104 |
| DS Tull | - | - | 0.43 | 94 |
| EG Jet | 1.08 | 112 | 0.54 | 118 |
| EGA Gregory | 0.98 | 102 | 0.48 | 105 |
| Elmore CL Plus | 0.85 | 88 | 0.44 | 96 |
| LG Gold | 0.89 | 92 | 0.43 | 94 |
| LRPB Flanker | 1.13 | 117 | 0.51 | 110 |
| LRPB Gauntlet | 0.89 | 92 | 0.44 | 95 |
| LRPB Hellfire | 0.81 | 84 | 0.44 | 96 |
| LRPB Impala | 1.17 | 121 | 0.47 | 101 |
| LRPB Mustang | 0.93 | 97 | 0.44 | 96 |
| LRPB Oryx | 0.94 | 98 | 0.42 | 92 |
| LRPB Reliant | 0.91 | 95 | 0.58 | 125 |
| LRPB Spitfire | 1.00 | 104 | 0.43 | 92 |
| Mitch | 0.99 | 103 | 0.47 | 101 |
| Scepter | 0.95 | 99 | 0.44 | 96 |
| SEA Condamine | 1.00 | 104 | 0.45 | 98 |
| Sunchaser | 0.89 | 93 | 0.42 | 92 |
| Sunprime | 1.00 | 103 | 0.53 | 115 |
| Suntop | 0.89 | 92 | 0.48 | 104 |
| Site Mean (t/ha) | 0.96 | | 0.46 | |
| CV (%) | 11.26 | | 14.74 | |
| Probability | 0.00 | | 0.30 | |
| LSD (t/ha) | 0.18 | | 0.11 | |
| Analysis Date | 01/11/2019 | | 12/11/2019 | |
| Sowing Date | 13/04/2019 | | 07/06/2019 | |
| Trial Comments | This trial experienced poor establishment and drought conditions resulting in a variable trial. These trial results should not be used to make variety selection decisions. | | This trial experienced drought conditions and poor establishment resulting in a variable trial. This trial has a CV of 14.74% indicating variability across the trial. These trial results should not be used to make variety selection decisions. | |

2019 Quarantine Report Queensland Chickpea.

| Region | SEQ | | SWQ | |
|------------------|---|-----|---|-----|
| Nearest Town | Brookstead | | Mungindi | |
| Crop Type | Chickpea | | Chickpea | |
| Trial ID | DMDA19BROO4 | | DMDA19MUNG4 | |
| Variety Name | tonnes/ha | % | tonnes/ha | % |
| Jimbour | 0.40 | 99 | 0.32 | 136 |
| Kyabra | 0.43 | 107 | 0.25 | 104 |
| PBA Boundary | 0.65 | 162 | 0.35 | 147 |
| PBA Drummond | 0.46 | 114 | 0.37 | 153 |
| PBA HatTrick | 0.41 | 102 | 0.30 | 126 |
| PBA Seamer | 0.41 | 102 | 0.25 | 104 |
| | | | | |
| Site Mean (t/ha) | 0.40 | | 0.24 | |
| CV (%) | 40.10 | | 15.17 | |
| Probability | 0.01 | | <0.001 | |
| LSD (t/ha) | 0.26 | | 0.06 | |
| | | | | |
| AnalysisDate | 29/11/2019 | | 18/11/2019 | |
| | | | | |
| Sowing Date | 22/05/2019 | | 21/05/2019 | |
| | | | | |
| Trial Comments | This trial has a CV greater than 15% indicating high variability across the trial. These trial results should not be used to make variety selection decisions | | This trial has a EMY <0.3 T/Ha and CV greater than 15% indicating high variability across the trial. These trial results should not be used to make variety selection decisions | |