

## Russian wheat aphid risk assessment and regional thresholds

GRDC project 9176535

### Latest RWA abundance data for 2018 field trials

| Site        | Last Observation Date | Growth Stage | Non winged RWA |                          | Winged RWA |                          | Percentage Symptomatic Tillers | RWA/100 Tillers |
|-------------|-----------------------|--------------|----------------|--------------------------|------------|--------------------------|--------------------------------|-----------------|
|             |                       |              | Present?       | # per symptomatic tiller | Present?   | # per symptomatic tiller |                                |                 |
| Birchip     | 24/8/18               | 37           | Yes            | 4.008                    | Yes        | 1.667                    | 1.995                          | 11              |
| Cummins     | 14/8/18               | 36           | No             | 0                        | No         | 0                        | 0                              | 0               |
| Inverleigh  | 18/7/18               | 25           | No             | 0                        | No         | 0                        | 0                              | 0               |
| Griffith    | 28/8/18               | 43           | Yes            | 4.562                    | Yes        | 1.000                    | 4.209                          | 23              |
| Keith       | 21/8/18               | 31           | Yes            | 0.047                    | No         | 0                        | 1.157                          | 0               |
| Loxton      | 22/8/18               | 31           | Yes            | 0.017                    | No         | 0                        | 0.214                          | 0               |
| Minnipa     | 22/8/18               | 17           | No             | 0                        | No         | 0                        | 0                              | 0               |
| Nile DRY    | 13/8/18               | 23           | No             | 0                        | No         | 0                        | 0                              | 0               |
| Nile IRR    | 13/8/18               | 26           | Yes            | 0.200                    | Yes        | 0.050                    | 0.011                          | 0               |
| Riverton    | 30/8/18               | 42           | Yes            | 2.739                    | Yes        | 0.007                    | 1.322                          | 4               |
| Yarrawonga  | 9/8/18                | 29           | No             | 0                        | No         | 0                        | 0                              | 0               |
| Wagga       | 22/8/18               | 31           | No             | 0                        | No         | 0                        | 0                              | 0               |
| Hillston    | 21/8/18               | 26           | No             | 0                        | No         | 0                        | 0                              | 0               |
| Longerenong | 23/8/18               | 21           | No             | 0                        | No         | 0                        | 0.078                          | 0               |

#### **Important data collection information**

All data is taken from untreated control plots.

Symptom counts were conducted in allocated 1 m<sup>2</sup> sampling plots.

Numbers of RWA were counted on affected tillers found outside of allocated 1 m<sup>2</sup> sampling plots.