# TIMS COMMITTEE NOTICE: Regional 30-day pyriproxyfen windows nominated by CGAs to address Silverleaf Whitefly resistance risks for the 2019-20 cotton season.

Industry data from Silverleaf whitefly (SLW) resistance monitoring shows an increase in pyriproxyfen (e.g. Admiral®) resistance. This is a very concerning trend as pyriproxyfen is a cornerstone product for managing SLW populations in Australia, with low impact on beneficial insects.

To reduce the risk of SLW developing widespread pyriproxyfen resistance and potential product failure, Cotton Growers’ Associations have nominated a voluntary 30-day window for each region in which pyriproxyfen can be applied (Table 1).

The aim of narrowing the pyriproxyfen window is to minimise consecutive generations of SLW being exposed to resistance selection and ensure the product is being applied once per season when most effective.

Table 1. CGA-nominated voluntary pyriproxyfen application windows for the 2019-20 season.

|  |  |  |
| --- | --- | --- |
| Cotton Growers’ Association | Open Date | Close Date |
| Central Highlands CGIA | No window required\* | |
| Darling Downs CGI (Central Downs) | 28 January | 28 February |
| Darling Downs CGI (Chinchilla - Brigalow - Tara) | 20 January | 20 February |
| Darling Downs CGI (Murgon-Byee) | 10 February | 10 March |
| Darling River Food and Fibre | 25 January\*\* | 25 February\*\* |
| Dawson Valley CGA | No window required\* | |
| Dirranbandi CGA | 15 January | 15 February |
| Gwydir Valley CGA | 28 January | 28 February |
| Lower Namoi CGA | 25 January | 25 February |
| Macintyre Valley CGA | 20 January | 20 February |
| Macquarie CGA | 1 February | 1 March |
| Mungindi WUCGA | 25 January | 25 February |
| Southern Valleys CGA | 7 February | 7 March |
| St George CGA | 25 January | 25 February |
| Upper Namoi CGA | 25 January | 25 February |
| Walgett CGA | 25 January | 25 February |

\* Resistance monitoring data indicates pyriproxyfen resistance is not currently a concern for this region.

\*\*Window nominated by TIMS Insecticide Technical Panel, where a window was not nominated by the CGA.

All regional dates are published on the CottonInfo and Cotton Australia websites:

<http://www.cottoninfo.com.au/stewardship>

<http://www.cottonaustralia.com.au/cotton-growers/resources/resistance-management-plans>

**The purpose of developing a 30-day application window is to regionally coordinate pyriproxyfen usage for the 2019-20 season.**

**The TIMS Committee welcomes all CGAs to adjust their nominated pyriproxyfen window to accommodate seasonal conditions.**

**As such, it is recommended that 4 weeks prior to the window open date, each CGA review their nominated window dates and inform the TIMS Committee of any required changes.**

The TIMS Committee and Insecticides Technical Panel will evaluate Silverleaf whitefly resistance monitoring data for the current (2019-20) cotton season, and reassess the ongoing need for regional pyriproxyfen windows, depending on changes in resistance frequencies.

All questions or concerns regarding the TIMS Committee request for development of regional 30-day pyriproxyfen windows should be address to Sally Ceeney, TIMS Committee Executive Officer by emailing [sallyc@cotton.org.au](mailto:sallyc@cotton.org.au), or by calling 0459 189 771.