

TIMS COMMITTEE NOTICE: Regional 30-day pyriproxyfen windows nominated by CGAs to address Silverleaf Whitefly resistance risks for the 2017-18 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. Furthermore, there are no immediately available alternative control options that have an equivalent level of protection.

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 2017-18 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	10 January	10 February
Gwydir Valley CGA	19 January	19 February
Lower Namoi CGA	15 January	15 February
Macintyre Valley CGA	20 January	20 February
Macquarie CGA	28 January	28 February
Mungindi WUCGA	15 January	15 February
Southern Valleys CGA	25 January	25 February
St George CGA	10 January	10 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 2017-18 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 (2017-18) 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 Nicola Cottee, TIMS Committee Executive Officer by emailing nicolac@cotton.org.au, or by calling (02) 9669 5222.