

### Introducing Roundup Ready® PL Herbicide with PLANTSHIELD®

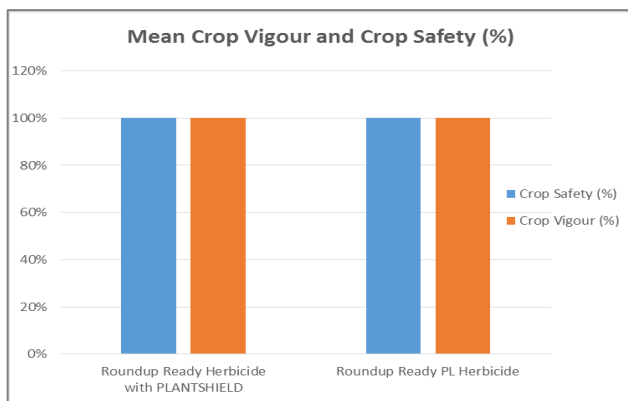
Roundup Ready® PL Herbicide with PLANTSHIELD® is the new liquid alternative to the granular Roundup Ready® Herbicide with PLANTSHIELD® for use over the top (OTT) of Roundup Ready® Flex cotton varieties. Roundup Ready® PL Herbicide is being released to meet customer demand for a liquid product that will provide users with greater convenience with the same excellent efficacy and crop safety as Roundup Ready® Herbicide with PLANTSHIELD®.

### OUTSTANDING CROP SAFETY

Replicated trials conducted by Eurofins Agrisearch in cotton dryland sites across Queensland in November, 2014 demonstrated an excellent fit as an OTT herbicide.

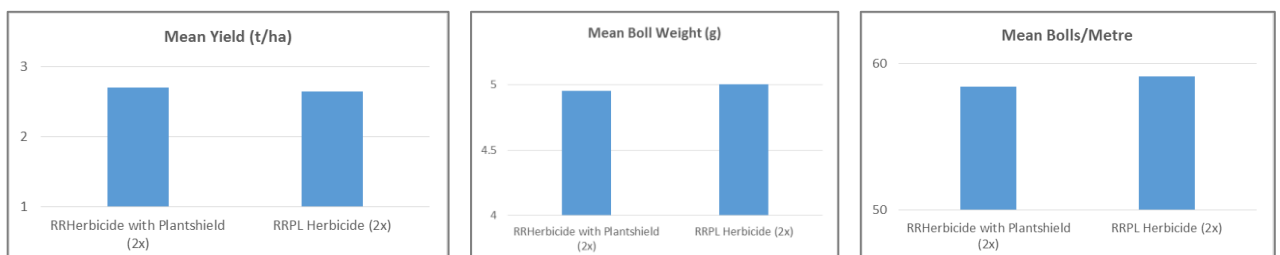
- No phytotoxicity was observed as a result of any application at any of the assessment times throughout the trial.
- No reduction in crop vigour was observed as a result of any treatment applications at any of the assessment times throughout the trial.
- Treatment applications had no significant effects on the number of bolls, average boll weight or raw cotton yields.

Figure 1: Comparing effect on crop vigour and safety



Product rate equivalent to 1.035kg a.i./ha.

Figure 2: Comparing effect on crop yield



### Roundup Ready® PL Herbicide with PLANTSHIELD®

- 540 g/L glyphosate present as a potassium salt.
- Available in 1000 litre IBCs for the cotton season.
- Performance liquid (PL) formulation.
- Proprietary surfactant technology for equivalent performance to Roundup Ready® Herbicide with PLANTSHIELD®
- Formulated with the crop safener, PLANTSHIELD® for outstanding crop safety.
- Supported by Australian data for excellent crop safety (phytotoxicity), crop vigour and yield in Roundup Ready® Flex cotton varieties.
- A proven performer as the market leading OTT Roundup® product (Roundup WEATHERMAX) in the US market.
- Manufactured to the highest standard by Monsanto, certified by ISO 9001, 14001, 18001, 17025.

# Roundup Ready<sup>®</sup> PL Herbicide with PLANTSHIELD<sup>®</sup>

## PHYSICAL CHARACTERISTICS

**Formulation Colour:** Amber/gold  
**Physical State:** Clear liquid  
**Solubility:** Completely miscible with water  
**Specific Gravity:** 1.3573  
**Poisons Schedule:** S5 (non-poisonous)  
**DG Class:** Non-Dangerous Good  
**Volume:** Currently available in 1000L IBCs only  
**Packaging:** Standard with standard Schutz IBC dip tube



Quality you can trust



Outstanding crop safety



Broad weed spectrum



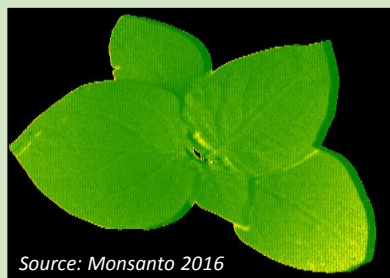
Registered for use OTT in Roundup Ready Flex<sup>®</sup> cotton

## PERFORMANCE

### Rapid Translocation

The proprietary surfactant technology in Roundup Ready<sup>®</sup> PL Herbicide assists in achieving rapid control of weeds and demonstrates quicker uptake and translocation compared to leading competitor generic glyphosate products.

**Figure 3: Fluorescence Images of Herbicide Translocation on Nightshade 3 days after treatment**

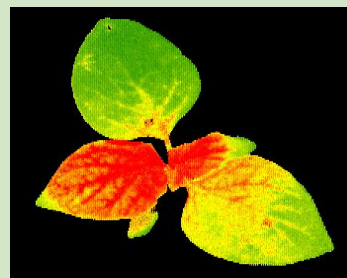


Source: Monsanto 2016

Untreated control



Branded generic glyphosate plus wetter at 0.25%  
0.42 kg a.i./ha



Roundup Ready<sup>®</sup> PL Herbicide with PLANTSHIELD<sup>®</sup>  
0.42 kg a.i./ha



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