

A Unique Formulation, Ideal for Heavier Soils and Higher Rainfall Zones

KELPIE® PRO-CARB DUO TL is a unique, patented co formulation pre-emergent herbicide for the superior control of annual ryegrass and suppression of barley grass and silver grass in Barley and Wheat crops. **KELPIE® PRO-CARB DUO TL** is specifically formulated for heavier soil types or higher rainfall zones ensuring maximum control of annual grasses. This convenient co-formulation of 666g/L Prosulfocarb and 333g/L Triallate assists with annual ryegrass resistance to Trifluralin.

KELPIE® PRO-CARB DUO TL is a short residual group J herbicide, soil applied, pre-emergent herbicide absorbed by the roots and shoots (coleoptile) of germinating seedlings promoting inhibition of meristematic growth. This product is a cost effective pre-emergent which provides increased efficacy against trifluralin resistant ryegrass.

KELPIE® PRO-CARB DUO TL PRODUCT FEATURES



Unique Formulation

KELPIE® PRO-CARB DUO TL is a unique co-formulation of Prosulfocarb and Triallate offering increased efficacy for annual ryegrass resistant to Trifluralin.

Flexibility in Application Timing

KELPIE® PRO-CARB DUO TL Prosulfocarb/Triallate blend enhances flexibility in application timing due to its low moisture requirement to activate which suits dry sowing, dry post-seeding and optimal sowing situations.

Increased Control Efficacy, especially on Deep Germinating Weeds

KELPIE® PRO-CARB DUO TL is absorbed by both the roots and shoots (coleoptile) of germinating seedlings. This multi-site uptake reduces the chance of deep germinating weeds surviving and provides increased efficacy in situations where a moisture sown crop encounters dry conditions post sowing.

Compatibility

KELPIE® PRO-CARB DUO TL is compatible with:

- Glyphosate, 750 g/kg Chlorsulfuron, 750 g/kg triasulfuron, 750 g/kg sulfosulfuron, 480 g/L trifluralin.
- DO NOT tank mix with 2,4-D Amine.

Always refer to plant back restrictions on the label of the tank mix partner.

Proven Performance

A range of pre emergent herbicide trials were conducted in conjunction with Ag Partners SA. It was found;

- **KELPIE® PRO-CARB DUO TL** at 3000mL/ha provided significantly higher control of Volunteer Barley when compared with 850 g/kg Pyroxasulfone and 800 g/L Prosulfocarb + 120 g/L S-Metolachlor.
- **KELPIE® PRO-CARB DUO TL** at 2250-3000mL/ha provided equivalent or better control of Annual Ryegrass when competed with 850 g/kg Pyroxasulfone at 118 g/ha.

KELPIE PRO-CARB DUO TL provides a cost competitive alternative to 850 g/kg Pyroxasulfone with two conveniently formulated actives there is less mixing of multiple chemistries.

Trials were conducted by Ag Grow Agronomy & Research in April 2017 at Beelbangera NSW. Weed control was assessed 28 and 56 days after sowing (DAS), with ryegrass panicle counts taken at maturity, (Figures 2 and 3). Percent weed control was a measure of the weed control of each treatment in comparison to the untreated control.

KELPIE PRO-CARB DUO TL provides excellent value for money when we consider efficacy and \$/ha treated.

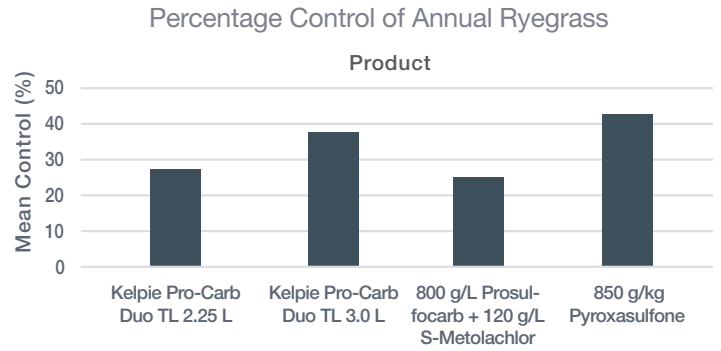


Figure 1: Data Presented is the compilation of all trials conducted in Australia. 2015-18 Assuming mid-range application of KELPIE® Pro-Carb TL at 2.625L/ha across 12M ha.

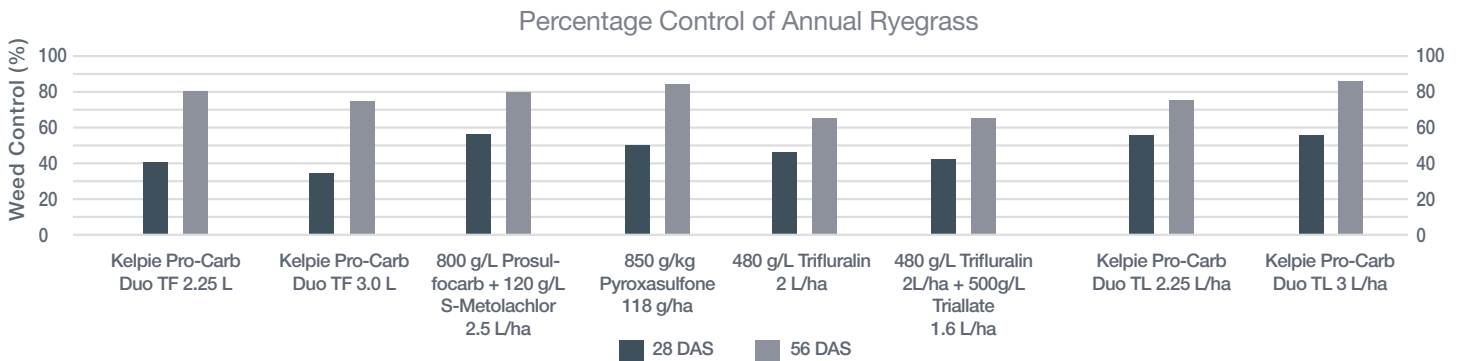


Figure 2: Percentage weed control of Annual Ryegrass taken 28 days after sowing (DAS) and 56 days after sowing (DAS).

Source: Ag Grow Agronomy & Research, 2017

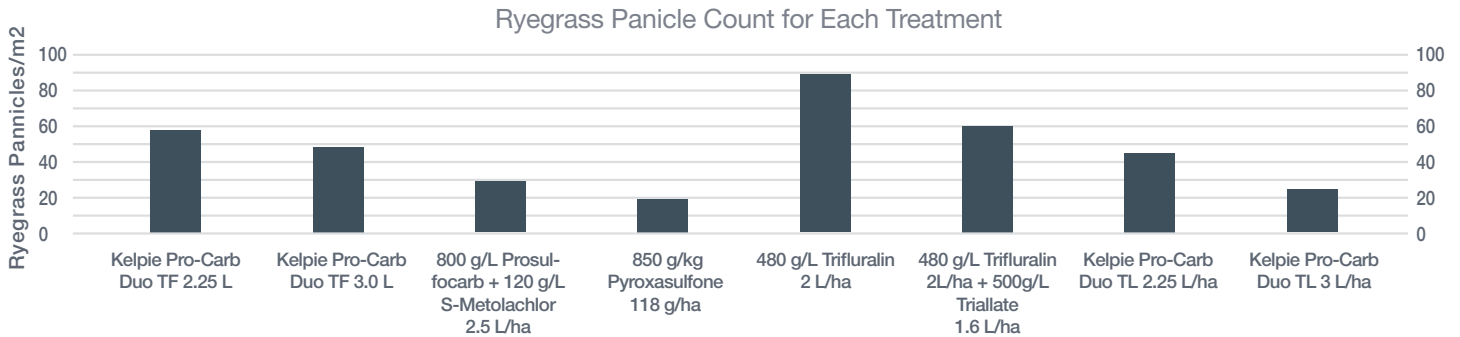


Figure 3: Ryegrass panicle count taken for each treatment at maturity. Source: Ag Grow Agronomy & Research, 2017

Soil Types and Solubility

KELPIE® PRO-CARB DUO TL is specifically formulated for heavier soil types or higher rainfall zones ensuring maximum control of annual grasses.

Reference: <https://www.aggrowagronomy.com.au/wp-content/uploads/2018/01/Imtrade-Pre-emergent-Trial-2017.pdf>