ALL IN ONE CONTROL
Annual grasses and broadleaf weeds

EFFIGY®
900WG HERBICIDE

CONTROL HARD TO KILL WEEDS AT GERMINATION

- Multi point mode of action
- Broad-spectrum weed control (grasses and broadleaves)
- Excellent Annual Ryegrass control
- Granular formulation improves stability and product shelf life
- 100% Australian owned and operated

IMTRADE
CropScience
Agriculture Reimagined

www.imtrade.com.au

EFFIGY®
900WG HERBICIDE

MODE OF ACTION

Imtrade Effigy® 900 (600 g/kg Terbuthylazine + 300 g/kg Propyzamide) is a Group C + D herbicide that provides selective control of certain grass and broadleaf weeds in TT canola and select Pulse crops as per the label. Terbuthylazine and Propyzamide are root absorbed when applied pre-emergent, with Terbuthylazine translocated readily upwards via the xylem and Propyzamide in the apoplast.

Terbuthylazine is a photosynthetic inhibitor at photosystem II (binds to the plastoquinone binding protein, inhibiting electron transport) inhibiting plant growth. Lethality is caused by secondary reactions to the cessation of electron flow through the photosynthetic pathway, primarily from cell wall leakage initiated by a build-up of reactive compounds following plastoquinone inhibition.

Unlike other chemistries in group D, which bind to tubulin, research indicates that Propyzamide disrupts cell division by binding to another unknown microtubule structural protein. In doing so, the polymerisation of microtubules is inhibited at late prometaphase. This results in shortened microtubules and prevents their formation into 'spindles' which are required for the alignment and separation of chromosomes during mitosis. By preventing mitosis, meristematic tissue (growing points) ceases cell division and elongation leading to growth inhibition and eventual seedling death.

EFFIGY® 900 AS A STAND ALONE

For maximum effectiveness, please use as directed and consider the following:

- **Read the label -** Always read the label when considering Imtrade Effigy® 900 for your pre-emergent herbicide needs.

- **Weed Spectrum –** Imtrade Effigy® 900 has been developed to provide control of both annual grass weeds and broadleaf weeds in one pre-emergent product. Robust control of hard-to-kill weeds at germination provides the best possible outcome for ensuring the crop can emerge and establish without significant competition. This is critical for ensuring optimal early crop biomass which significantly assists in out-competing later germinating or escaped weeds, preventing/reducing seed set.

- **Monitor the forecast** – Imtrade Effigy® 900 is most efficacious when an activating rainfall event post application is received. Propyzamide and Terbuthylazine are not highly water soluble, requiring a moderate amount of moisture to adequately penetrate the weed-seed zone (˜25mm). IBS incorporation assists by placing the herbicide in the optimum zone for seedling absorption in no-till systems. Avoid application prior to extreme rainfall events in very light soils as crop damage can occur if washed into the seeded band of some susceptible crop types – refer to the label for details.

- **Monitor efficacy** – In order to aid in the reduction of herbicide resistance, any escapees from the IBS treatment should be removed by using Integrated Weed Management practices prior to seed set.

USING EFFIGY® 900 AS A COMBO

When used as directed, Imtrade Effigy® 900 can be conveniently tank-mixed with knockdown herbicides and insecticides to provide multiple control options from one tank pre-seeding. Always follow conventional tank mixing guidelines and conduct a 'jar test' prior to tank mixing multiple products to determine physical compatibility. Note that a jar test is not a test of chemical compatibility.

- **EFFIGY® 900 + GUERRILLA®** – Use when both a burn-down and residual effect is required pre sowing where weed germination has occurred.

- **EFFIGY® 900 + GLYPHOSATE** – Use when both a knockdown and residual effect are required pre sowing where weed germination has occurred.

- **EFFIGY® 900 + INSECTICIDE –** Effigy® 900 is compatible with most commonly used pre-sowing insecticides. Use when the control of mites, cutworm and other soil-borne pests is required at seeding.

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