IMTRADE CONSTRUCT®

850 VeripHy® WG Herbicide

Protect your Knockdown

- VeripHy® Technology, alerts the user to alkaline hydrolysis threats.
- Robust knockdown spike, ideal partner for Imtrade's Guerrilla®
- High load granule in a convenient 5kg pack size.

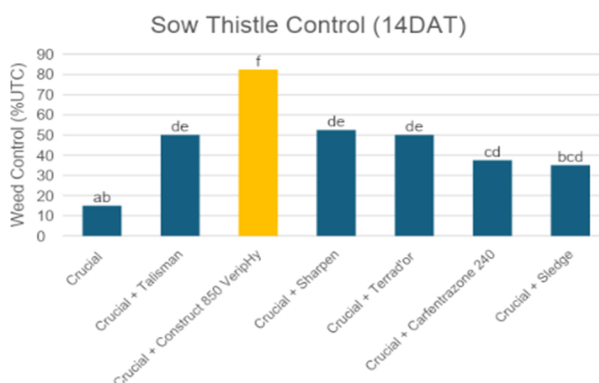## Interpreting VeripHy® Technology

In as little as 15 minutes, Flumioxazin active ingredient can degrade to less than half of its potency when in alkaline conditions. (i.e. at PH>7.0)

In recognition of this, Imtrade Construct® 850 VeripHy® WG Herbicide has been specifically formulated with incorporation of a colour indicator to signal safe / unsafe conditions.

Practical Fit

Being a broad-spectrum contact herbicide, Imtrade Construct 850 VeripHy is ideally suited in combination with Imtrade's unique co-formulation Guerrilla® Herbicide or Glyphosate based knockdown products. The combination of Imtrade Construct 850 VeripHy with a premium knockdown partner provides rapid burndown and improved overall control of broadleaf weeds including wild radish, volunteer canola and Roundup Ready Cotton.

Sow Thistle Control (14DAT)

Trial reference: MDD24006 - Roseworthy SA, January 2024 is a trial that shows the activity of Imtrade Construct 850 VeripHy in combination with Crucial on Sow Thistle 14 days after treatment in a summer fallow. For best performance, Imtrade recommends applying Construct® 850 VeripHy® in the medium droplet size.

VeripHy® Technology - How it works?

The colouring displayed upon preparing the spray solution indicates whether chemical degradation of the active ingredient is a threat.

pH ≤ 7	pH > 7
If the spray solution (water + product) is yellow, this indicates that conditions are favourable (ie: neutral to acidic).	If the spray solution (water + product) is purple, this indicates that conditions are unfavourable (ie: alkaline), which requires a pH adjustment.

Imtrade Pro 700 or similar acidifying agents can be used to adjust pH where necessary.

For more information visit **imtrade.com.au** or contact your local Imtrade representative on **1800 171 799**

ALWAYS READ AND FOLLOW LABEL DIRECTIONS BEFORE USING ANY PRODUCT IN THIS FLYER.

Key Fit: Superior residual weed control in Sugarcane and robust knockdown partner

Dual use pattern offers growers versatility

Imtrade's Construct 850 VeripHy offers growers the versatility of using Flumioxazin as a robust residual control option or a knockdown spike partner.

> Being a broad-spectrum contact herbicide, Imtrade Construct 850 VeripHy is an ideal mix partner for Paraquat and Glufosinate based knockdown products. The combination of Imtrade Construct 850 VeripHy with a premium knockdown partner provides rapid burndown and improved overall control of vine and broadleaf weeds including Wild Rose, Sicklepod and Star of Bethlehem.

> The low solubility of Flumioxazin enables Imtrade's Construct 850 VeripHy to provide growers with extended periods of vine and broadleaf residual control in high rainfall areas. Imtrade Construct 850 VeripHy has a residual rate range of 205-410g/ha enabling growers robust while flexible residual control depending on their regional rainfall and irrigation status.

Low solubility and UV stability keeps Construct 850 VeripHy working in the field longer

> The low solubility of flumioxazin in water means once the product has physically moved into the topsoil it won't be leached down the soil profile or move into local waterways. As a residual, flumioxazin requires moisture to be active as it forms a surface barrier providing residual control to emerging plants through epicotyl uptake. The low solubility of Construct 850 VeripHy means your active remains within the topsoil where it's needed for longer than other highly soluble actives would during period of high rainfall and irrigation.

> UV stability of Construct 850 VeripHy means the active remains stable in the environment without rainfall/irrigation incorporation for an extended period of time.

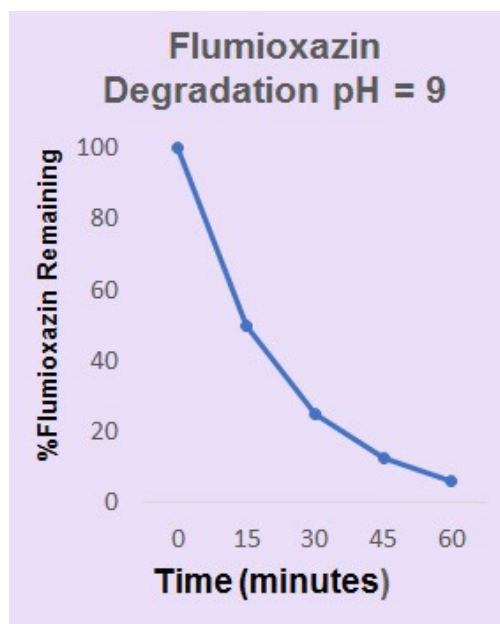## Table 1: Solubility and adsorption potential of commonly used sugar can actives

> Flumioxazin has a moderate soil and organic matter adsorption potential and as a result, the active can bind to organic matter prior to soil contact where high trash blankets exist. Where thick trash blankets exist, consideration should be given to using alternate highly soluble herbicides until thickness of trash blanket reduces ie. Later in season when Construct Veriphy application can be optimised to assist with mobility from the trash onto the soil.

Active	Solubility (g/L)	Adsorption (Koc)
Pendimethalin	0.33	17,491
Flumioxazin (Construct 850 VeripHy)	0.8	889
Atrazine	35	100
Isoxaflutol	36	145
Diuron	36	680
S-metolachlor	480	200
Metribuzin	1,100	48
Imazapic	2,230	137
Amicarbazone	4,600	25
Hexazinone	33,000	15

> Construct Veriphy is ideally suited to plant cane and areas where cane is burnt such as the Burdekin to take advantage of the low solubility of this active where more soluble products will travel through soil profile in significant rain events.

The VeripHy Concept offers growers a visual insight to prevent active degradation.

> Imtrade Construct® 850 VeripHy® WG has been expertly formulated to combat the key problem that plagues Flumioxazin. In as little as 15 MINUTES, the active Flumioxazin can degrade by more than half in alkaline solutions (pH9 and over).

> VeripHy® technology has been added to the formulation to provide a simple, yet extremely effective solution to maximise performance and efficacy of the product. The VeripHy® colour indicator visually shows growers whether they are working with a safe or alkaline solution, enabling them to take instant action to correct levels where necessary.

Flumioxazin Degradation pH = 9

Source: Pest Manag Sci 60:939–943. Doi:10.1002/ps.897

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