IMTRADE CONSTRUCT®

850 VeripHy® WG Herbicide

Construct 850 VeripHy

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 knockdown 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 incorporation with 20-50mm rainfall or irrigation to be positioned in the topsoil and form 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.

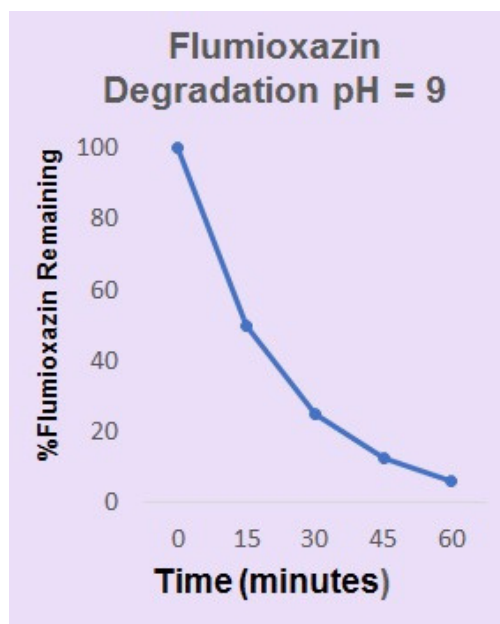**Table 1: Solubility and adsorption potential of commonly used Sugarcane actives**

> 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
Isoxaflutole	36	145
Diuron	36	680
S-metolachlor	480	200
Metribuzin	1,100	48
Imazapic	2,230	137
Amicarbazone	4,600	30
Hexazinone	33,000	50

> 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 and flood irrigation 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.

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

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.