

TECHNOTE

INTAKE HILOAD GOLD DIRECT INJECTION

Ongoing development of Nufarm Intake formulations is part of the company's strategy to continue to introduce unique use patterns for this chemistry for Australian farmers.

The Intake HiLoad Gold label has expanded with a registered use pattern to include application to wheat and barley via direct injection with compatible liquid fertilisers.

This development is exclusive to Nufarm and will provide unique benefits to end users utilising this form of application.

ADVANTAGES OF INTAKE HILOAD GOLD

- High loaded (500g/L flutriafol) formulation enables superior disease control at lower application rates.
- Enables a more prescriptive approach to disease control with the ability to apply rates specific to anticipated disease pressure, or the ability to maintain the active ingredient applied per hectare, even at reduced liquid fertiliser application rates.
- Registered rate range extensions for prolonged disease control.
- Registered for use via direct injection with liquid fertilisers.

The high solubility of flutriafol enables it to be readily taken up by the roots of the plant and translocated to the stems and leaves. This delivery system provides a high level of safety to the emerging seedlings.

Intake HiLoad Gold is registered for use in wheat targeting stripe rust, take-all and septoria tritici blotch, and in barley targeting powdery mildew and barley scald. Intake HiLoad Gold also offers invaluable protection against net form net blotch in barley, with useful suppression for up to 110 days. Intake HiLoad Gold does not control smuts and bunt, so it must be used in conjunction with an effective seed treatment targeting these diseases in cereals, such as Pontiac.

Intake HiLoad Gold is also extremely effective against blackleg in canola, the incidence of which has been more severe over recent years due to a shortening of canola rotations arising from favourable returns for this crop.

COMPATIBILITY WITH LIQUID FERTILISERS

Intake HiLoad Gold is compatible with a wide range of liquid fertilisers. Extensive laboratory testing has confirmed Intake HiLoad Gold is compatible with Easy N / Flexi N / UAN, Easy NS or Flexi NS, Easy NP, Easy NP + Zn, Easy NPK27, Flowphos 15, Flowphos 13Z, Flexi NKS, Agstream Plus and Macrostream Plus.

Given the diverse range of liquid fertilisers available for application, products outside those assessed to date may be arranged for compatibility tests to be performed. Please contact your local Nufarm Territory Manager for further details.

EXTENDED RATE RANGES, EXCLUSIVE TO NUFARM

- **Stripe rust in wheat: up to 130 days protection**
- **Powdery mildew in barley: up to 120 days protection**
- **Barley scald in barley: up to 120 days protection**
- **Net form net blotch in barley: useful suppression for up to 110 days**

A guide to achieving superior results with liquid fertiliser application:

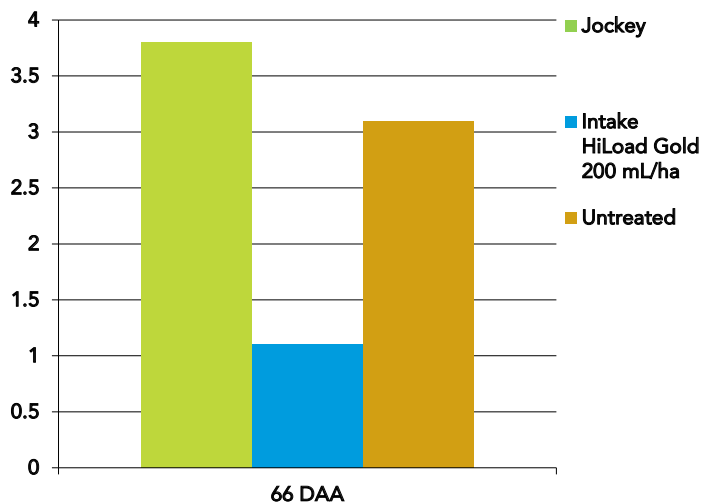
- **Pre-mix Intake HiLoad Gold in a minimum of 2:1** (Water: Intake HiLoad Gold) prior to addition to liquid fertiliser. **Superior results will be achieved pre-mixing Intake HiLoad Gold at higher ratios, such as 4:1.**
- **Maintain constant agitation during application.**



Intake HiLoad Gold has proven to provide superior protection against numerous diseases, such as blackleg in canola compared with Jockey.

Blackleg Canola Field Trial Horsham, Victoria, 2011

Blackleg Lesions/0.5 linear metre of row



APPLICATION

Liquid Fertiliser (Urea/Ammonium Nitrate Solutions)

Premixing water with Intake HiLoad Gold (at a ratio of 2:1 to 4:1) is recommended. Mix the product thoroughly with liquid fertiliser (UAN solutions) in suitable mixing tank. Apply as soon as possible after mixing by injecting the mixture 3-4cm below or to the side of the seed. Mix at a rate which will result in the specific rate of the product in the volume of liquid fertiliser required to be injected in-furrow per hectare, using the table below as a guide.

LIQUID FERTILISER RATE* (L/ha)	VOLUME OF PRODUCT PER 100L OF LIQUID FERTILISER (mL/100L)			
	100mL rate	200mL rate	300mL rate	400mL rate
75	133	267	400	533
100	100	200	300	400
125	80	160	240	320
150	67	133	200	267
175	57	114	171	229
200	50	100	150	200

* This rate of liquid fertiliser may include a proportion of water.



Intake® HiLoad Gold					
500g/L flutriafol					
YELLOW					
Rates per ha (applied to solid fertiliser or via direct injection)					
	100-200ml	200ml	300ml	300-400ml	400ml
Wheat					
Septoria tritici blotch		*			
Stripe rust	* (up to 100 days)	heavy pressure		* (120-130 days)	heavy pressure
Take-all		*			
Barley					
Barley scald	* (up to 80 days)	heavy pressure	* (up to 100 days)		* (up to 120 days)
Powdery mildew	* (up to 80 days)	heavy pressure	* (up to 100 days)		* (up to 120 days)
Net form net blotch				s (up to 110 days)	
Canola					
Blackleg		*			

s - suppression

Extended rate range registrations exclusive to Nufarm

For more information on Intake HiLoad Gold, contact your local Nufarm Territory Manager.

nufarm.com.au

The information and recommendations set out in this brochure are no substitute for professional or expert advice and are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/or developed resistance. To the maximum extent permitted by law, Nufarm Australia Limited disclaims all warranties of any kind, whether express or implied, including but not limited to any warranty that the information is up-to-date, complete, true, legally compliant, accurate, non-misleading or suitable.

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