

HASTEN[†]

SPRAY ADJUVANT

HASTEN is Australia's premium esterified canola seed oil spray adjuvant. Developed in Australia and now available in many countries around the world, HASTEN is consistently recognised as the best penetrating adjuvant for many selective herbicides.

HASTEN-

- ❑ Increases penetration of herbicides through waxy weed cuticles
- ❑ Delays the dry down rate of spray droplets on weeds
- ❑ Assists in the retention of spray droplets on weed surfaces
- ❑ Increases the wetting and spreading of spray droplets on weeds
- ❑ Made from Australian Canola Oil
- ❑ High quality formulation providing easy dispersion and stable emulsion characteristics in tank mixes

Product Description

HASTEN is a unique spray adjuvant that has been designed to improve the efficacy of a wide range of agricultural products including; Herbicides (selective and non-selective), Insecticides, Fungicides and Defoliant

Product Performance

Field trials consistently show the benefit of HASTEN when used with a wide range of selective herbicides (see Table of recommended products overleaf). Many of these systemic herbicides such as clethodim and pyrasulfotole (Precept) do not easily penetrate weed cuticles and benefit from the penetrative properties of a lipophilic adjuvant like HASTEN. HASTEN consistently outperforms other oil-based adjuvants due mainly to its superior penetration properties. HASTEN is generally safe to see product label for specific uses.

Key Benefits

HASTEN has the widest range of cross-label recommendations of any adjuvant for use with selective herbicides. It combines superior cuticle penetration with optimised adhesion and droplet spreading.

Annual Ryegrass Control using Clethodim 240EC*

% WEED CONTROL

FIELD TRIAL

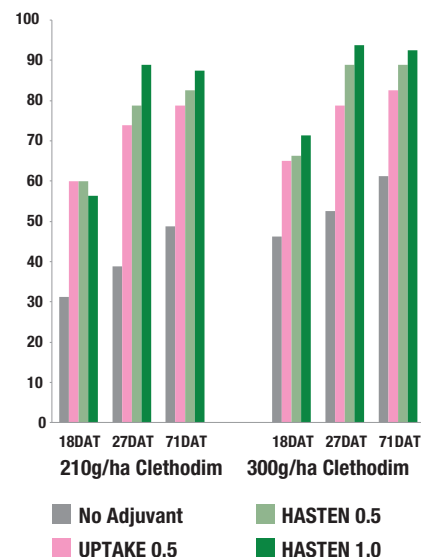
Location: York WA

Crop: Canola

Trial Date: Winter 2011

Genfarm Clethodim 240EC applied at 210 & 300ml/ha

Spray Volume: 75L/ha



Wild Radish Control using Precept*

% WEED CONTROL

FIELD TRIAL

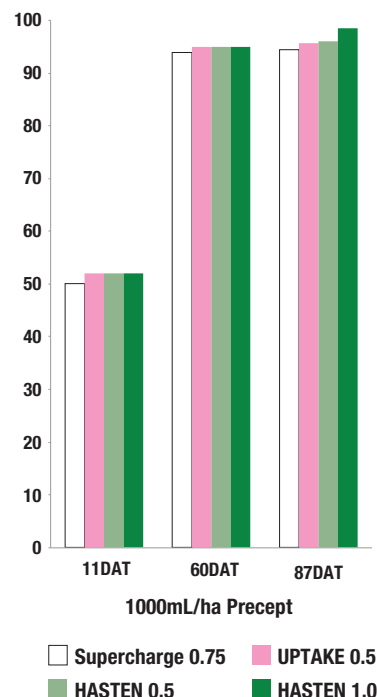
Location: Dowerin WA

Crop: Wheat

Trial Date: Winter 2012

Precept Selective Herbicide 1000ml/ha

Spray Volume: 80L/ha



Hasten
Herbicide Bulletin

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Use Rate Guidance

For most herbicides applications the usage rate for **HASTEN** is specified as volume % in the range 0.5 - 1.0L/100L. Typical spray volume for these applications is in the range 40 - 100L/ha. Refer to herbicide product label for specific directions.

When using **HASTEN** for other applications ...

The recommended usage rate of **HASTEN** for all such applications should be approximately 0.5 – 1.0 L / ha and should not be less than 0.2 L / ha (see Table below).

Spray Application	Spray Volume / Hectare	Rate of Hasten L / 100 L of Spray Volume
Low Volume	10 – 20 L / ha	2 – 5 L
Broadacre Boom Spray	50 – 100 L / ha	0.5 – 2.0 L
High Volume	200 – 500 L / ha	0.2 – 0.5 L

For all other applications, apply **HASTEN** at approximately 0.5 - 1.0 L / ha.

HASTEN with Fungicides, Insecticides and Defoliant

HASTEN can also be used with certain fungicides, insecticides and defoliants. For more details see **HASTEN** Label or the following product bulletins

HASTEN Fungicides and Insecticides Bulletin

HASTEN-COTTON Bulletin

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The Company

Victorian Chemical Company is committed to providing quality products and professional and friendly service, that our customers can confidently rely on to add value to their businesses. In order to achieve this goal we will continue to develop, our understanding of our customer's requirements, the operations of our company and our technical expertise.

Cross -labelled Herbicides

PRODUCT	Company	HASTEN rate per 100L of spray volume
Aramo*	BASF	1L
Arvesta* Motsa*	Tomen / Arysta	1L
Atlantis*	Bayer	1L
Blazer *	UPL	1L
Cheetah* Gold	Bayer	1L
Decision*	Sipcam	1L
Flame* (240 g/L product only)	BASF	1L
Gesaprim* and other atrazine products	Syngenta	0.5 - 1L
Hammer*	FMC	0.5 - 1L
Hussar*	Bayer	1L
Intervix*	BASF	1L
Logran* B-Power	Syngenta	0.5L
Midas*	BASF	0.5L
OnDuty*	BASF / Cropcare	0.5L
Precept*	Bayer	0.5 – 1L
Raptor* WG	BASF	0.5 or 1L
Select* And other Clethodim 240EC products	Sumitomo	0.5 - 1L
Sharpen*	BASF	1L
Shogun*	Adama / Farnoz	0.5L
Spinnaker* And other 700g/kg Ima-zethapyr products	BASF	0.5L
Targa* Bolt	Sipcam	1L
Terbyne*	Sipcam	1L
Topik* And other Clodinafop 240EC products	Syngenta	0.5L
Tordon* DSH	Dow	0.5L
Valor*	Sumitomo	0.5 – 1L
Velocity*	Bayer	1L

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