

**READ SAFETY DIRECTIONS  
BEFORE OPENING OR USING**

# HASTEN<sup>+</sup>

## SPRAY ADJUVANT

**ACTIVE CONSTITUENT:**

704 g/L Ethyl and Methyl Esters of Canola Oil Fatty Acids  
With 196 g/L Non-ionic Surfactants

An esterified oil based product with non-ionic surfactants to assist the effectiveness of Herbicides and other Agricultural Chemicals.

Hasten improves your spray results by;

- increasing penetration through waxy cuticles
- increasing wetting and spreading of spray droplets
- reducing spray droplet evaporation rates



PEEL  
HERE

# HASTEN<sup>†</sup>

## SPRAY ADJUVANT

### STORAGE AND DISPOSAL

#### Keep out of reach of children.

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately.

### SAFETY DIRECTIONS

Will irritate the skin may irritate the eyes, nose and throat. Avoid contact with eyes and skin. Avoid inhaling. When opening the container, wear protective waterproof clothing and rubber gloves. WHEN USING TOGETHER WITH OTHER CHEMICALS CONSULT THEIR SAFETY DIRECTIONS. Wash hands after use after each day's use, wash gloves and contaminated clothing.

### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre Phone Australia 13 11 26, New Zealand 0800 764 766

### MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

### APVMA Approval No.

47999/137305



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**NOTICE:** Victorian Chemical Company Pty. Limited accepts no responsibility for any consequences whatsoever arising from the use of this product except responsibility imposed under any applicable law. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this product on these conditions.

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For applicable packs

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## **DIRECTIONS FOR USE**

**Product Description:** HASTEN is a blend of esterified vegetable oil and non-ionic surfactants that is suitable for use as a Spray Adjuvant with a range of agricultural chemicals including Herbicides, Insecticides, Fungicides, Defoliant and Desiccants where oil based adjuvants are specified on the label

**Important:** Prior to use, read all directions on this label and on the label of the agricultural chemical being used. Any specific usage or restrictions on the agricultural chemical's label have precedence over directions for use referred to on this label.

## **GENERAL INSTRUCTIONS**

**Mixing:** Follow the directions on the agricultural chemical's label. Fill spray tank one-half full of water and add the required amount of the agricultural chemical while agitating. Add remainder of the water. Add the required amount of HASTEN last and continue agitation until completion of spraying.

**Use Instructions:** HASTEN can provide enhanced performance when compared with mineral oil or vegetable oil based adjuvants. Under Cold conditions (<100C) HASTEN is preferred to other crop oil adjuvants when used with certain herbicides as recommended on their label.

HASTEN is compatible with the following products, however all instructions on the agricultural chemical's label must be strictly followed.

## **HERBICIDES:**

<b>PRODUCT</b>	<b>HASTEN RATE PER 100L OF SPRAY VOLUME</b>	<b>CRITICAL COMMENTS</b>
Agixa* Rinskor*	1 – 2L	HASTEN may be used as an alternative to Uptake*
Arvesta* Motsa*	1L	HASTEN is recommended for all applications where Arvesta Motsa is used
Atlantis*	1L	Use HASTEN for brome grass and barley grass suppression
Blazer* and other Acifluorfen products	1L	Recommended for use in Mung Beans only.
B-Power*	0.5 – 1L	HASTEN can be used except when any tank mix partner specifically restricts
Cheetah* Gold	1L	HASTEN is recommended for all applications where Cheetah Gold is used.
Decision*	1L	Do Not use HASTEN when using Decision in mixtures with Tigrex or Giant. Apply with foliar zinc oxide.
Destiny*	0.5 – 1L/ha	HASTEN is recommended for all applications where Destiny is used
240 g/L Imazapic products	1L	Recommended for post-emergent use in Peanuts only.
Frequency*	1L	HASTEN is preferred over non-ionic surfactants and mineral oil based adjuvants to achieve full efficacy.
Gesaprim* and other atrazine products	0.5 - 1L	Recommended for post-emergent use in TT Canola.

<b>PRODUCT</b>	<b>HASTEN RATE PER 100L OF SPRAY VOLUME</b>	<b>CRITICAL COMMENTS</b>
Gramoxone* 360 PRO	0.5 - 1L	HASTEN is recommended for all applications where Gramoxone 360 PRO is used.
Hammer* and other Carfentrazone-ethyl products	0.5 - 1L	HASTEN is recommended for use with Hammer to control certain weeds. See Hammer label for use rate and details
Hussar*	1L	HASTEN is recommended for all applications where Hussar is used.
Intervix* & Intercept*	1L	HASTEN is recommended for all applications where Intervix or Intercept are used
Logran* B-Power	0.5L	HASTEN is recommended for all applications where Logran B-Power is used
Products containng 22g/L Imazapic, 7.3g/L Imazapyr & 288.5g/L MCPA Ethyl Hexyl Ester	0.5L	HASTEN is recommended for all applications where these products are used
OnDuty*	0.5L	HASTEN is recommended for all applications where OnDuty is used
Precept*	0.5 – 1L	Refer to Precept label when tank mixing with other herbicides
Raptor* WG and other 700g/kg Imazamox products	0.5 or 1L	There are some applications where HASTEN should not be used with Raptor WG or other Imazamox products. Refer to product labels.
Clethodim 240g/L or 360g/L products	0.5 - 1L	HASTEN is recommended for all applications for Clethodim 240g/L or 360g/L products which specify Hasten on their label.
Sharpen*	1L	HASTEN is recommended for all applications where Sharpen is used.
Shogun*	0.5L	Refer to Shogun label.
Sledge*	0.5 – 1L/ha	For summer fallows and cotton defoliation uses
Spinnaker* And other 700g/kg Imazethapyr products	0.5L	Use HASTEN for Post-emergence applications in accordance with Spinnaker or 700g/kg Imazethapyr product labels.
Talinor*	1L	Hasten may be used as an alternative to Adigor*
Targa* Bolt And other Quizalofop-p-ethyl 200EC products	1L	HASTEN is recommended for all applications where Targa Bolt is used, or for other Quizalofop-p-ethyl 200EC products which specify HASTEN on their label.
Terbyne* & Terbyne* Xtreme	0.5L	For post-emergent applications

<b>PRODUCT</b>	<b>HASTEN RATE PER 100L OF SPRAY VOLUME</b>	<b>CRITICAL COMMENTS</b>
Topik* And other Clodinafop 240EC products	0.5L	HASTEN is recommended for all applications where Topik and other Clodinafop 240EC products are used.
Tordon* Regrowthmaster	0.5L	Refer to recommendations provided by Dow AgroSciences
Touchdown B-Power*	0.5 – 1.0L	On large weeds and in less than ideal conditions the use of HASTEN is preferred to a non ionic wetter
Ubeniq*	2 – 4L	HASTEN may be used as an alternative to Uptake*. Use higher rates where weeds are large or dense at spray time
Valor* and other Flumioxazin products	0.5 – 1L	Use the lower rate on actively growing weeds
Velocity*	1L	HASTEN is recommended for all applications where Velocity is used.
Voraxor*	1L	HASTEN is recommended for all applications where Voraxor is used except Pre-emergent application where weeds have not emerged

#### **INSECTICIDES**

<b>PRODUCT</b>	<b>HASTEN RATE</b>	<b>Critical Comments</b>
Exirel*	0.5L/100L	For Cotton applications only
Mainman*	2mL/100L	Where Silverleaf whitefly is the main target
Movento*	0.5 – 1L/ha	See Movento label for crop specific instructions and restrictions
Primal*	1L/ha	Where Silverleaf whitefly is the main target
Skope*	1L/ha	Use HASTEN where Silverleaf whitefly is the main insect target
Versys*	0.2L/100L	For suppression of Silverleaf whitefly. See Versys label for specific instructions on adjuvant use

#### **FUNGICIDES**

<b>PRODUCT</b>	<b>HASTEN RATE</b>	<b>Critical Comments</b>
Custodia* & Custodia Forte	0.5 – 1L/ha	Hasten is recommended where husk spot disease pressure is high in macadamias
Maxentis*	0.25 – 0.5L/100L	Efficacy may be improved by the addition of Hasten when using the low rate of Maxentis in wheat or barley
Mirador* 625	0.25 – 1L/100L	For cereal crops only. See Mirador label for details
Novellus*	0.5 – 1L/ha	HASTEN is recommended for all applications where Novel-lus is used.
Prosaro*	1L/100L	See Prosaro label for specific instructions on adjuvant use.

PRODUCT	HASTEN RATE	Critical Comments
Proviso*	1L/100L	See Proviso label for specific instructions on adjuvant use.
Topnotch*	0.5 – 1.0L/100L	Addition of HASTEN may result in minor foliar damage but is not expected to impact grain yield or quality
Xivana* Prime	0.5 – 1L/ha	HASTEN is recommended for all applications where Xivana is used.

### **COTTON DEFOLIATION**

PRODUCT	RATE	CRITICAL COMMENTS
Thidiazuron and Thidiazuron + Diuron products for defoliation Dropp* Dropp Ultramax*, Echem Thi-Ultra, Echem Thidiazuron 500 Eject* Defoliant ETee* Defoliant Ethephon products for boll opening Prep* (when used with Thidiazuron products)	HASTEN 0.5L/ha	HASTEN can be used to assist the performance of certain cotton defoliation products.

**Use of Hasten with other Herbicides, Insecticides, Fungicides, Defoliants or Desiccants:** HASTEN may be used wherever an oil-based adjuvant is recommended on the label of the agricultural chemical, unless HASTEN or esterified seed-oil adjuvants are specifically excluded. HASTEN is also compatible with products containing the following active ingredients (See Compatibility section). For guidance on use rate of HASTEN consult the agrichemical product label and/or the table below.

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

When spraying at volumes other than those shown above, apply HASTEN at approximately 0.5 – 1.0 L / ha.

**NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

### **Compatibility:**

HASTEN is also compatible with products containing the following active ingredients  
Aoxystrobin, Butoxydim, Clopyralid, Dicamba, Flonicamid, Fluroxypyr, Halosulfuron, Haloxyfop, Metsulfuron-methyl, Oxyfluorfen, Paraquat, Pelargonic/Nonanoic Acid, Pinoxaden, Prothioconazole, Simazine, Synthetic Pyrethroid Insecticides, Tiafenacil, Tralkoxydim, Triclopyr

**Crop Safety:** Refer to the directions on the agricultural chemical label. Caution must be exercised when applying HASTEN with agricultural chemicals on sensitive crops during periods when plants are subject to drought stress, high temperatures or high humidity. If in doubt about the appropriate-ness of using HASTEN, please test by application to a small area before using it on a full-scale basis.

**Spillage:** In the event of spillage absorb onto sand or chemical absorbent. Remove residue with detergent and hot water. Dispose of by normal waste disposal methods conforming to local authority codes.

**Protection of Wildlife, Fish, Crustacea and Environment:** DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

#### **STORAGE AND DISPOSAL.**

##### **Keep out of reach of children.**

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