

READ SAFETY DIRECTIONS
BEFORE OPENING OR USING

HASTEN[†]-COTTON

SPRAY ADJUVANT

ACTIVE CONSTITUENT:
704 g/L Ethyl and Methyl Esters of Vegetable Oil
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-COTTON improves your spray results by;

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



VICCHEM
The Right Chemistry

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, Defoliants 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.

COMPATIBILITY

HASTEN can provide enhanced performance when compared with mineral oil or vegetable oil based adjuvants. Under Cold conditions (<10°C) 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

PRODUCT	HASTEN RATE PER 100L OF SPRAY VOLUME	CRITICAL COMMENTS
Aramo*	1L	HASTEN is recommended for all applications where Aramo is used
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*	1L	Recommended for use in Mung Beans only.
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.
Flame* (240 g/L product only)	1L	Recommended for post-emergent use in Peanuts only.
Gesaprim*	0.5 - 1L	Recommended for post-emergent use in TT Canola.
Hammer*	0.5 - 1L	HASTEN is recommended for use with Hammer to control volunteer cotton seedlings. See Hammer label for use rate and details
Hussar*	1L	HASTEN is recommended for all applications where Hussar is used
Intervix*	1L	HASTEN is recommended for all applications where Intervix is used
Logran* B-Power	0.5L	HASTEN is recommended for all applications where Logran B-Power is used
Midas*	0.5L	HASTEN is recommended for all applications where Midas is 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	0.5 or 1L	There are some applications where HASTEN should not be used with Raptor WG. Refer to Raptor WG label.
Select*	0.5 - 1L	HASTEN is recommended for all applications where Select is used, or for other Clethodim 240EC products which specify HASTEN on their label.
Shogun*	0.5L	Refer to Shogun label
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.
Targa* Bolt	1L	HASTEN is recommended for all applications where Targa Bolt is used
Terbyne*	1L	For post-emergent applications
Topik*	0.5L	Refer to Topik Compatibility Chart available from Syngenta or reseller.
Tordon* DSH	0.5L	Refer to recommendations provided by Dow AgroSciences
Valor*	0.5 - 1L	Use the lower rate on actively growing weeds
Velocity*	1L	HASTEN is recommended for all applications where Velocity is used.

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. 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.

FUNGICIDE AND INSECTICIDE PRODUCTS

PRODUCT	HASTEN RATE	CRITICAL COMMENTS
Movento*	0.5 - 1L/ha	See Movento label for crop specific instructions
Prosaro*	1L/100L	See Prosaro label for specific instructions on adjuvant use.

COTTON DEFOLIATION

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

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

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 appropriateness 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 waterways with the chemical or used containers.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN.

Store in the closed, original container, in a well-ventilated area, out of direct sunlight. Avoid storage below 0°C as this product may become cloudy and thicken. Above 0°C, it returns to its normal clear fluid state. Triple, or preferably pressure rinse containers before disposal. Add rinsing to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Refillable Containers: If returning containers for refill do not rinse, instead replace cap and return to designated collection point.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When using the product wear protective clothing. After use wash thoroughly with soap and water. After each day's use wash contaminated clothing.

WHEN USING TOGETHER WITH OTHER CHEMICALS CONSULT THEIR SAFETY DIRECTIONS.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (phone Australia 131126).

MATERIAL SAFETY DATA SHEET

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

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