

# ATRAZINE 500SC

Herbicide

A pre-emergent and post-emergent selective herbicide for the control of many broadleaf weeds and some annual grasses in maize and sugarcane.

Reg. No.: 10-C-7-55

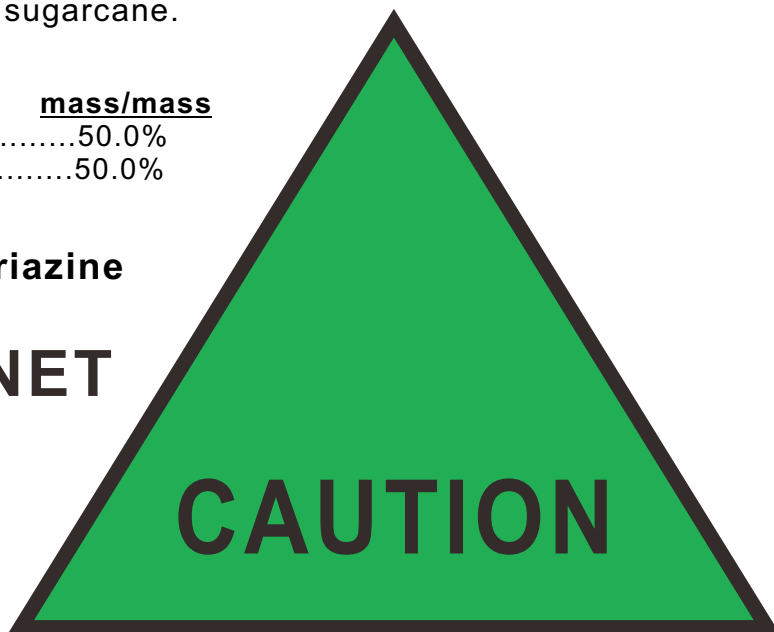
**Composition**                      **mass/mass**

Atrazine.....50.0%

Inert ingredients.....50.0%

**Group:**                      **Triazine**

**20 Litres NET**



**HARMFUL IF SWALLOWED**

**TO CAUSE A HAZARD IN THE USE,  
STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE**

Registration held by:

MAGCHEM (PVT) LIMITED  
2274 TILBURY ROAD,  
WORKINGTON, HARARE,  
ZIMBABWE

#### SAFETY PRECAUTIONS

1. Handle with care. Avoid contact/splashing.
2. Wear protective clothing - wear rubber gloves and face shield when handling the concentrate.
3. KEEP OUT OF THE REACH OF CHILDREN.
4. KEEP AWAY FROM FOOD AND FOODSTUFFS.
5. KEEP UNDER LOCK AND KEY.
6. DO NOT eat, drink or smoke while handling this product.
7. Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container.
8. While spraying, avoid contact with the spray as much as you can since product may cause eye and skin irritation. Avoid spray drift onto other crops, grazing rivers or dams.
9. Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams. Toxic to fish and harmful to other aquatic life.
10. Destroy empty container and do not use for any other purpose.
11. Change and wash your work clothes. Wash yourself.

#### WARNINGS

1. Certain inbred lines of maize may be susceptible to Atrazine 500SC.
2. Do not plant any crop other than maize or sorghum on lands sprayed with Atrazine 500SC during the previous 12 months as severe damage may result.
3. Should a crop other than maize or sorghum be planted after a period of 12 months on land previously treated with Atrazine 500SC, thorough ploughing and cultivation should precede such planting.
4. Do not plant legumes on sandy or gravelly soils which were treated during the previous 18 months with Atrazine 500SC.
5. Ensure that sufficient fertilizer is applied at planting time to promote vigorous seedling growth. In soils of low fertility band application of the fertilizer is essential.

#### SYMPTOMS OF POISONING:

May cause mild irritation to skin, eyes or mucous membranes. Treat symptomatically.

#### FIRST AID:

Should accidental poisoning occur, call a doctor and show him this label.

In case of contact, wash contaminated skin and hair immediately with soap and water, flush eyes immediately with copious amounts of water.

#### NOTE TO PHYSICIAN:

In case of accidental ingestion: lavage stomach with isotonic saline solution or 5% sodium bicarbonate; instill 30g of activated charcoal in 100 ml of water, sodium sulphate or magnesium sulphate (0,25g/kg) may be used as a cathartic; do not administer fats, oil laxatives or milk products.

#### SAFETY PRECAUTIONS

##### Empty container disposal

Invert the empty container over the spray tank or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of 10% of the container. Add the rinsings to the contents of the spray tank. Destroy the empty container by perforation and flattening. Return to supplier for recycling. DO NOT use for any other purpose. Dispose of the wash water at a site for the disposal of pesticides.

##### Decontamination of sprayer

Clean applicator thoroughly after use and ensure that all traces of Atrazine 500SC are removed. Make use of the following method;

- (a) Drain and rinse tank, spray boom and hoses with clean water for at least 10 minutes
- (b) Fill tank with clean water and add it to 1 litre household bleach (5%) or 1.5 Litres of household bleach (3.5%) per 200 Litres of water. Rinse hoses and spray boom and leave in tank for 15 minutes whilst agitating. Drain through nozzle outlets.
- (c) Repeat step (b) and thereafter, rinse thoroughly with clean water and dispose of the wash water at a site designated for the disposal of pesticides.

##### DIRECTIONS FOR USE:

Shake well before use, replace cap after pouring.

##### Maize:

Atrazine 500SC should be applied either before or after the crop has emerged.

##### Sugarcane:

(i) Plant cane. Atrazine 500SC should be applied after planting and either before or after the crop has emerged.

(ii) Ratoon cane. Atrazine 500SC should be applied either before or after the new growth has commenced.

**Weeds:** Most grasses and broadleaf weeds are controlled. Shamva grass, couch and witchweed are not controlled. Nutgrass or watergrass is not normally controlled and, if conditions are not ideal at the time of and shortly after application, certain species of the following genera of grasses may not be controlled:

*Panicum*, *Urochloa*, *Digitaria*, *Chloris*, *Brachiaria* and *Dactyloctenium*. Atrazine 500SC is preferably applied before the weeds emerge but may be applied early post-emergence provided all weeds are smaller than the 2-3 leaf stage (35mm in height).

#### Important weeds controlled by Atrazine 500SC

<i>Amarantus</i> spp.	Pigweed
<i>Bidens pilosa</i>	Blackjack
<i>Datura stramonium</i>	Stinkblaar
<i>Nicandra physaloides</i>	Apple of Peru
<i>Portulaca oleracea</i>	Purslane
<i>Richardia</i> spp.	Mexican clover
<i>Tagetes minuta</i>	Mexican Marigold
<i>Eleusine indica</i>	Rapoko Grass
<i>Volunteer cereals</i>	

#### APPLICATIONS RATES:

% CLAY CONTENT OF SOIL	MAIZE AND SUGARCANE
20	3,6 t/ha
21-30	3,6 t/ha
31-40	4,5 t/ha
>40	5,6 t/ha
	Use slightly higher than recommended rates on soils high in organic matter or if weeds have emerged.

If a band spray covering the total ground area is applied, then above dosage rate are halved.

**Soil and Rainfall:** Atrazine 500SC is applied after planting maize. Atrazine 500SC will give best results when applied to a moist, weed-free soil. The soil should have a smooth, firm surface, free from large clods. Where necessary a light cultivation prior to application is recommended to ensure a weed-free soil without a crust.

It is essential for at least 20mm rain to fall within a few days after spraying to ensure good results. Do not use in areas where the average rainfall is less than 400mm per year. If dry weather follows spraying, cultivate lightly as soon as possible by means of a millipede so that Atrazine 500SC is mixed into the top 25mm of soil. Avoid any subsequent deep cultivation whilst the herbicide remains effective (unless it is to break the soil crust, in which case use a millipede). Do not apply to dry planted maize at planting time but delay treatment until good soaking rain has fallen. For use of Atrazine 500SC on the maize grown under minimum tillage techniques – consult your Nova Agro Zimbabwe agronomist.

**Application:** Atrazine 500SC can be applied by the conventional boom and nozzle sprayer fitted with efficient agitation. Overall spraying is best carried out with 200-400 liters of water per hectare. Use proportionately lower quantities for band application.

#### COMPATIBILITY WITH OTHER PRODUCTS

The manufacturers stress that it is preferable to use this product on its own; furthermore, the quality of water in a mixture may adversely affect its compatibility. The suggestions below are therefore guidelines only, and all responsibility is disclaimed for lack of effectiveness, damage or loss of any kind from mixing this product with another. The manufacturers strongly recommend a trial mixture be taken with water for use in the main mixture.

Subject to the above, this product may normally be mixed at those water concentrations common in the use of ground spraying equipment with any ONE of the following: Alachlor EC, (This product should be added to the mixture first), Endosulfan 35EC (This products should be added to the mixture first), Endosulfan 50WP, Carbaryl 85WP, Lambda-cyhalothrin 5EC.

#### WARRANTY:

The excellent results which this chemical should normally yield are not however warranted or guaranteed, as effectiveness can be greatly influenced by factors outside the control of either the manufacturers or the suppliers. No warranty whatsoever, expressed or implied, is therefore given concerning the performance or effectiveness of this chemical and the responsibility is specifically excluded for any damage, injury or loss of any kind during or resulting from its handling, use or storage, whether or not such has been in accordance with directions. This product is warranted to consist of the ingredients shown on the label.

**Date of Manufacture: SEP. 2015**

**Batch Number: 20150908**

Manufactured by:

NOVAAGRO (HK) LTD  
6TH FLOOR, WYNDHAM PLACE,  
44 WYNDHAM STREET,  
CENTRAL HONG KONG

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