Size : 275 x 267 mm

Calaris® Xtra

Mesotrione 2.27% w/w + Atrazine 22.7% w/w SC
[Mesotrione 2.5% w/v + Atrazine 25% w/v (275 g/l SC)]
(Selective Herbicide for Agricultural use)

Before applying the product, follow the instructions given on the label and leaflet.

Mesotrione 2.27% w/w + Atrazine 22.7% w/w SC is a selective post emergence herbicide recommended for the control of Grasses, Broad leaf weeds and Sedges in Maize and Sugarcane.

Composition:	**Contents % w/w**
Mesotrione a.i.	2.27
Atrazine a.i.	22.7
Dispersing Agent: Acrylic graft copolymer solution	1.82
Isotridecanol-8-ethoxylate	1.82
Antifreeze: 1,2-Propanediol	4.55
Thickener: Xanthan gum	0.14
Attapulgite clay	0.9
Preservative: 1,2 benzisothiazol-3-one (as a 20% solution)	0.18
Antifoam agent: Polydimethylsiloxane	0.43
Buffers: Citric acid	0.91
Phosphoric acid solution	1.0
Stabilizing agent: Tetrasodium diphosphate	0.03
Adjuvant: Aqueous solution of D-glucopyranose oligomeric C_9-C_{11} alkylglycocides	18.18
Solvent: Water	Q.S.
Total	**100**

Density - 1.100 g/ml at 20°C.

Application and recommendation for use:

Mesotrione 2.27% w/w + Atrazine 22.7% w./w SC is recommended as selective post emergence herbicide for the control of following weeds in Maize and Sugarcane crops:

Crop	Common name of the weeds	Dosage/ha a.i. (gm)	Dosage/ha Formulation (ml)	Dilution in water (Litre/hectare)	Number of applications & Time	Waiting period from last application to harvest (in days)
Maize	*Trianthema spp.* *Cyperus spp.* *Digitaria sanguinalis* *Echinochloa spp.* *Dactyloctenium aegyptium*	875	3500	500	Post emergence single spray application at 3- 4 leaf stage of actively growing weeds	42
Sugar-cane	*Trianthema spp.* *Amaranthus viridis* *Echinochloa colona* *Digitaria sanguinalis* *Cyperus rotundus* *Dactyloctenum aegyptium*	875	3500	500		190

Good practices relating to pesticide application techniques covering the following:

(i) **Weather conditions in general:** Do not spray during the windy weather conditions or during hot hours of the day, if the foliage is wet or if rain is imminent. Spray strictly with the wind to prevent prolonged or repeated exposure to the spray mist. Do not overdose by overlapping applications or by exceeding the recommended rate.

(ii) **Soil and Water:** This product should be applied during optimum sufficient soil moisture conditions. Do not contaminate water used for irrigation or domestic purpose and water areas viz. ponds, ditches, lakes, drainage systems, etc, by disposal of product waste and do not allow direct over spray or spray drift.of product on to these areas to avoid long term adverse effect in the aquatic environment.

(iii) **Crops stage for application:** Spray the recommended dose of the herbicide as post emergence single spray application at 3-4 leaf stage of actively growing weeds by using suffecient quantity of water to ensure through coverage of the weed foliage

(iv) **Application techniques:** Spray the recommended dose of the herbicide as post emergence single spray application at 3-4 leaf stage of actively growing weeds by using suffecient quantity of water to ensure through coverage of the weed foliage with the help of knapsack or any other suitable sprayer fitted with flat fan or flood jet deflector nozzle

(v) **Equipment type:** Spray with knapsack or any other suitable sprayer.

(vi) **Nozzle type:** Flat fan or flood jet deflector nozzle

(vii) **Dosage:** Given in the table above

(viii) **Instructions for mixing:** Measure out required quantity of the product and mix it well with a small quantity of water. Add the remaining quantity of water as specified with thorough agitation. Adjust the quantity of product in proportion to the water required to cover a hectare and apply by a suitable sprayer.

(ix) **Optimal Re-entry period:** Do not enter treated areas for 24 hours after each spray.

(x) **Pre-Harvest interval:** Given in the table above

(xi) **Application timings:** Apply as post emergence single spray applicatoin at 3-4 leaf stage of actively growing weeds.

(xii) **Frequency including maximum number of sprays:** Apply as post emergence single spray applicatoin at 3-4 leaf stage of actively growing weeds. Maximum no. of applications is one.

Resistance Management:

Group 27 5 Herbicide

This herbicides is an excellent resistance management tool as the two active ingredients have different modes of action. Do not continuously use same herbicide (of same mode of action) in same/next crop season and whenever required, prefer the spray of approved herbicide with different mode of action to avoid development of resistant weeds.

1. HRAC Group code: 27 (Mesotrione) and 5 (Atrazine)
2. Chemical class & Mode of Action: Mesotrione (Triketone) inhibits 4-HPPD and Atrazine (Triazine) inhibits photosynthesis.

Storage:

1. The packages containing the herbicide should be tightly closed, stored in original containers in separate rooms or premises away from the rooms or premises used for storing other articles particularly articles of food or shall be kept in separate almirahs under lock and key, away from children, unauthorized persons and animals.
2. The rooms or premises meant for storing the herbicide shall be well built, dry, well lit and ventilated and of sufficient dimension to avoid contamination with vapor. Keep away from direct sunlight.
3. Do not allow product to freeze.

Precautions: Do not use cooking utensils for preparing the spray solution. Use wooden stick for stirring the spray solution. Avoid contact with skin, eye, mouth and clothing. Avoid inhalation of fog, vapors or spray mist. Wear protective clothing (full sleeve shirt and pants), chemical resistant hand gloves to avoid contact with the skin, mask, goggles, hat and boots, while handling the product. Do not eat, drink or smoke while applying the product. Wash hands with soap and plenty of water and change clothes after the work is over. Avoid contamination of air and water bodies with the herbicide. Also wash the contaminated clothes before re-use. Newly treated areas must not be grazed and all livestock is to be kept out until the treated area is dry. This product should not be applied (tank – mix) with any other chemical. Do not blow nozzle with mouth. Do not spray crops under stress. If any indisposition occurs, stop the work, follow first aid measures and call a physician immediately. Spilt product must not be re-used. Collect up split material thoroughly and bury it in a safe place. Rinse spilt area with plenty of water. It is dangerous to re-use empty containers. Rinse empty container three times before disposal and add the rinsate into spray tank before application. Do not re-use empty container to keep food items or for any either purpose.

Precaution about succeeding crops:

Recommended Crop rotation with Maize: This mixture herbicide is recommended in maize-rapeseed mustard/maize- wheat/maize-barley crop rotations.

Recommended Crop rotation with sugarcane: This mixture herbicide is recommended in sugarcane- black gram / sugarcane-moong bean / sugarcane-mustard crop rotations.

Cautionery statements :

1. **Not to be used for any purpose other than those subscribed on labels & leaflets.**
2. **Product is highly toxic to Fish and aquatic organisms, its use may be avoided near aquaculture.**
3. **The product is skin sensitizer, prolonged or frequently repeated skin contact may cause allergic reactions.**

Disposal of used packages/containers, surplus material :

1. It shall be the duty of the manufacturers, formulators of insecticide and operators to dispose packages or surplus materials and washings in a safe manner to prevent environmental or water pollution.
2. The used packages shall not be left outside to prevent their re-use.
3. Packages shall be broken and buried away from habitation.

Symptoms of Poisoning: Irritation to eyes, skin and respiratory tract may occur, product is skin sensitizer so it may cause skin allergy and other non-specific symptoms may be expected as labored respiration, nausea, vomiting, diarrhea, headache and confusion, lethargy, tremors.

First Aid: If poisoning or any indisposition is suspected. Stop work immediately and call a physician. Show label to the physician. Remove the affected person from danger zone to a well ventilated room or to fresh air.

If Ingested: Never give anything by mouth to an unconscious patient and never induce vomiting. Consult the doctor immediately.

If Inhaled: Take the patient to fresh air and take care of body temperature. If patient is not breathing or breathing with difficulty, give artificial respiration, preferably with mouth to mouth breathing. Consult a physician.

In case of skin contact: Afftected parts of body e.g. finger, nails, etc should be washed with soap and water. All the contaminated clothes should be segregated and thoroughly washed with soap and water separately before use. If skin irritation persists, consult a doctor.

In case of eye contact: Rinse gently with plenty of water at least for 15 minutes. If pain, irritation, redness or photophobia persists, consult eye specialist.

Antidote: No specific antidote is known; apply symptomatic therapy.

The user bears the risk for damage resulting from factors beyond the manufacturer's control.

कैलारिस एक्स्ट्रा

કેલારિસ એક્સ્ટ્રા

कॅलरिस एक्स्ट्रा

ਕੈਲਾਰਿਸ ਐਕਸਟ੍ਰਾ

ক্যালারিস এক্সট্রা

Calaris® Xtra

Mesotrione 2.27% w/w + Atrazine 22.7% w/w SC [Mesotrione 2.5% w/v + Atrazine 25% w/v (275 g/l SC)] (Selective Herbicide for Agricultural use)

कैलारिस एक्स्ट्रा

मिजोट्राइन २.२७% भार/भार + एट्राजीन २२.७% भार/भार एस. सी. [मिजोट्राइन २.५% भार/आयतन + एट्राजीन २५% भार/आयतन (२७५ ग्रा./ली एस. सी.)] (चुनिंदा खरपतवारनाशक – केवल कृषि में उपयोग हेतु)

syngenta®

Manufactured & Marketed by :
Syngenta India Limited,
Amar Paradigm, S. No. 110/11/3,
Baner Road,
Pune–411 045, Maharashtra.

Factory Address:
Village Nimbua, Teshil Dera Bassi,
District SAS Nagar (Mohali),
Punjab-140507.

निर्माता एवं विपणनकर्ता :
सिंजेंटा इंडिया लिमिटेड,
अमर पैराडाइम,क्र.स. ११०/११/३,
बानेर रोड, पुणे–४११ ०४५, महाराष्ट्र।

फैक्टरी का पता:
निम्बुआ गाँव, तेहसील डेरा बस्सी,
डिस्ट्रीक एसएएस नगर, (मोहाली),
पंजाब–१४०५०७ ।

IN2092024

Product names marked ® or ™, the **SYNGENTA** Logo and the Alliance Frame are Trademarks of a Syngenta Group Company.

For any complaints, please contact our Customer Service Executive.
Syngenta India Limited,
Amar Paradigm, S.No. 110/11/3, Baner Road,
Pune-411045, Maharashtra, India
Telephone No.: 020 66845533, Toll Free : 1800 2001 310
Email:customercare.india@syngenta.com,
Website : www.syngenta.com

किसी भी शिकायत के लिए, कृपया हमारे ग्राहक सेवा अधिकारी को संपर्क करे.
सिन्जेन्टा इंडिया लिमिटेड,
अमर पॅराडीम्म, एस नं. ११०/११/३, बानेर रोड,
पुणे–४११ ०४५, महाराष्ट्र, भारत.
टेलिफोन नं. : ०२० ६६८४५५३३, टोल फ्री : १८०० २००१ ३१०
ईमेल : customercare.india@syngenta.com,
वेबसाईट : www.syngenta.com

Size : 275 x 267 mm

ಕ್ಯಾಲರಿಸ್ ಎಕ್ಸ್‌ಟ್ರಾ

ಮೆಸೋಟ್ರಿಯೋನ್ 2.27% w/w + ಅಟ್ರಾಜೈನ್ 22.7% w/w SC
[ಮೆಸೋಟ್ರಿಯೋನ್ 2.5% w/v + ಅಟ್ರಾಜೈನ್ 25% w/v
(275 ಗ್ರಾ/ಲೀ. SC)]
(ಕೃಷಿ ಬಳಕೆಗಾಗಿ ಆಯ್ಕೆ ಮಾಡುವ ಕಳೆನಾಶಕ)

ക്ലാരിസ് എക്സ്ട്രാ

മെസോട്രിയോൺ 2.27% w/w + അട്രാസൈൻ 22.7% w/w SC
[മെസോട്രിയോൺ 2.5% w/v + അട്രാസൈൻ 25% w/v
(275 ഗ്രാം/ലി SC)]
(കാർഷികാവശ്യങ്ങൾക്കുള്ള സെലക്റ്റീവ് കളനാശിനി)

కాలరిస్ ఎక్స్‌ట్రా

మెసోట్రియోన్ 2.27% బ/బ + అట్రాజైన్ 22.7% బ/బ ఎస్‌సి
[మెసోట్రియోన్ 2.5% బ/వ + అట్రాజైన్ 25% బ/వ
(275 గ్రా/లీ ఎస్‌సి)]
(వ్యవసాయానికి ఉపయోగించేందుకు ఎంపికచేసిన కలుపునాశిని)

கேலாரிஸ் எக்ஸ்ட்ரா

மெசோட்ரியோன் 2.27% எ/எ + அட்ராஸைன் 22.7% எ/எ எஸ்சி
(மெசோட்ரியோன் 2.5% எ/கொ + அட்ராஸைன் 25% எ/கொ
(275 கிராம்/லி எஸ்சி))
(வேளாண் உபயோகத்திற்கான தேர்திறன் களைக்கொல்லி)

কেলাৰিচ এক্সট্ৰা

মিজোট্ৰাইন ২.২৭% ডব্লিউ/ডব্লিউ +এট্ৰাজিন ২২.৭% ডব্লিউ/ডব্লিউ এচচি
[মিজোট্ৰাইন ২.৫% ডব্লিউ/ডি+এট্ৰাজাইন ২৫% ডব্লিউ/ডি
(২৭৫ গ্ৰা/লি এচচি)]
(নিৰ্বাচিত অপতৃণনাশক- কেৱল কৃষিভিত্তিক প্ৰয়োগৰ বাবে)

କେଲାରିସ ଏକ୍ସଟ୍ରା

ମିଜୋଟ୍ରାଇନ ୨.୨୭% ଓଜନ/ଓଜନ + ଏଟ୍ରାଜିନ ୨୨.୭% ଓଜନ/ଓଜନ ଏସ.ସି.
[ମିଜୋଟ୍ରାଇନ ୨.୫% ଓଜନ/ଆୟତନ + ଏଟ୍ରାଜିନ ୨୫% ଓଜନ/ଆୟତନ
(୨୭୫ ଗ୍ରା./ଲି. ଏସ.ସି)]
(ଚୟନାତ୍ମକ ବାଳୁଙ୍ଗାନାଶକ - କେବଳ କୃଷି କାର୍ଯ୍ୟରେ ପ୍ରୟୋଗ ହେତୁ)

Calaris® Xtra

Mesotrione 2.27% w/w +
Atrazine 22.7% w/w SC
[Mesotrione 2.5% w/v +
Atrazine 25% w/v
(275 g/l SC)]
(Selective Herbicide for Agricultural use)

कैलारिस एक्स्ट्रा

मिजोट्राइन २.२७% भार/भार +
एट्राजीन २२.७% भार/भार एस. सी.
[मिजोट्राइन २.५% भार/आयतन +
एट्राजीन २५% भार/आयतन
(२७५ ग्रा./ली एस. सी.)]
(चुनिंदा खरपतवारनाशक –
केवल कृषि में उपयोग हेतु)

syngenta®

Manufactured & Marketed by :
Syngenta India Limited,
Amar Paradigm, S. No. 110/11/3,
Baner Road,
Pune–411 045, Maharashtra.

Factory Address:
Village Nimbua, Teshil Dera Bassi,
District SAS Nagar (Mohali),
Punjab-140507.

निर्माता एवं विपणनकर्ता :
सिंजेंटा इंडिया लिमिटेड,
अमर पैराडाइम,क्र.स. ११०/११/३,
बानेर रोड, पुणे–४११ ०४५, महाराष्ट्र।

फैक्टरी का पता:
निम्बुआ गाँव, तेहसील डेरा बस्सी,
डिस्ट्रीक एसएएस नगर, (मोहाली),
पंजाब–१४०५०७।

IN2092024

Product names marked ® or ™, the **SYNGENTA** Logo and the Alliance Frame are Trademarks of a Syngenta Group Company.

For any complaints, please contact our Customer Service Executive.
Syngenta India Limited,
Amar Paradigm, S.No. 110/11/3, Baner Road,
Pune-411045, Maharashtra, India
Telephone No.: 020 66845533, Toll Free : 1800 2001 310
Email:customercare.india@syngenta.com,
Website : www.syngenta.com

किसी भी शिकायत के लिए, कृपया हमारे ग्राहक सेवा अधिकारी को संपर्क करे.
सिन्जेन्टा इंडिया लिमिटेड,
अमर पॅराडीग्म, एस नं. ११०/११/३, बानेर रोड,
पुणे–४११ ०४५, महाराष्ट्र, भारत.
टेलिफोन नं. : ०२० ६६८४५५३३, टोल फ्री : १८०० २००१ ३१०
ईमेल : customercare.india@syngenta.com,
वेबसाईट : www.syngenta.com