

Hydrogen Cyanamide 50 % SL

(Selective Plant Growth Regulator)

Hydrogen Cyanamide 50% SL is a Plant Growth Regulator used for breaking bud dormancy in grapes and to get uniform sprouting of fruiting buds for recommended concentration dilute Hydrogen Cyanamide 50% SL in water and use the same direct on crop as follows:

Chemical Composition:	Ingredient	%W/W
		Total: 100.00% w/w

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water Litre	Crop Stage	Re-entry Period	Pre Harvest	Frequency
		AI %	Formulation lt.					
Grapes	PGR	1.0to1.5%	2.0to3.0lt.	Mix with 200-300ml. of product in 10litre of water	Immediately after pruning,	24 hr	120 days	One time application

Note:-

Good Practices relating to pesticide application techniques

Direction of Use

Swabbing by cotton/wet cloth/sponge. COMPATIBILITY: Hydrogen Cyanamide50% SL should be applied separately. Do not mix with any other pesticides.

Weather Condition(in general):

Do not spray during rainy, windy and hot sunny period

Soil & Water(where ever applicable):

This Herbicide is for foliar application and has no adverse effect when used at recommended dose . Avoid using near aquaculture

Crop Stage for application:

Immediately after pruning,

Application Technique

Foliar application using high volum sprayers and ASPEE-HTP power sprayer fitted with flat fan or flood jet nozzle.

Equipment Type:

: knapsack sprayer with flat fan/ flood jet nozzle.

NozzleType:

flat fan/ flood jet nozzle.

Dosage:

Grapes - 1.0 to1.5 Ltr./ha.

Instruction for Mixing:

Please refer to table

Re-entry Period

24 hr

Caution: Not to Be Used on Crops Other Than Specified on This Label/Leaflet "

Manner and Time of Application

Swabbing by cotton/wet cloth/sponge. COMPATIBILITY: Hydrogen Cyanamide 50% SL should be applied separately. Do not mix with any other pesticides. Apply immediately after pruning, once.

Application Timing

Preferably in the morning and evening hours.

Frequency

One time application

Stages during which pesticides should not be applied on any crop :

Follow the above instructions as mentioned in time of application

Precautions to be taken to avoid harm to the beneficial insects like honey bees and natural enemies of pests :

Symptoms Of Poisoning

Skin flushing, primary irritant to mucous membrane, skin, eyes and respiratory track.

First Aid

If ingested: if person is conscious and alert, rinse mouth with water and give 1 or 2 glass of water to drink. Never give anything by mouth to an unconscious person. Call the doctor. Do not induced vomiting until and unless desired by attending physician.

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, Consult a physician.

In case of skin contact: Wash thoroughly the affected part of body with soap and plenty of water including hairs and under fingernails. If pain, redness or irritation persists, consult a doctor. All contaminated clothes should be segregated and thoroughly washed with soap and water separately before use.

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 known. Treat symptomatically.

Phytotoxicity

it is not phytotoxic if applied at the recommended dose.

Storage Conditions

1. The package containing plant growth regulators shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the plant growth regulators. 2. The rooms or premises means for storing plant growth regulators shall be well built, dry, well-lit and ventilated and of sufficient dimension to prevent environmental contamination with vapour of plant growth regulators. 3. Temperature should be maintained below 20 degree C.

Safety Precaution:

1) Avoid inhalation and contact with skin and eyes. 2) Keep away from children, food stuff, animal feed, heat and flame, Store in cool and dry place under lock and key. 3) Do not mix the insecticides with bare hands. 4) Do not eat, drink, smoke or chew tobacco while spray. 5) Spray the insecticide only in the direction of wind blowing and not against it so as to prevent the setting of the drift on body. 6) The user should use full protective clothing with rubber gloves, boots. Face should be covered with face shield or dust mask and body should be covered with an overall or rubber apron and hood or hat. 7) Do not use as an ultra-low volume spray.

Do not drink alcohol beverage prior, during and upto 24 hours after handling Hydrogen Cyanamide 50% SL.

Cautionary Statement:

1. not to be used for any purpose other than those subscribed on label and leaflets:

2. destroy the container after use as directed on leaflet

3. keep out of the reach of children.

4. keep in a cool, dry place, away from heat & open flame

5. toxic to fish, aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture.

Disposal of used containers, washing from equipment and surplus material :

Caution: Not to Be Used on Crops Other Than Specified on This Label/Leaflet "

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

Manufacturer Premises :

1st Parallel Road, Industrial Growth center, Samba, Jammu & Kashmir - 184121
Delhi

Bela Industrial Estate, MIC, Muzaffarpur-843116 (Bihar)
Delhi

Plot No 168-170, Industrial area, Baddi, Distt.-Solan, Himachal Pradesh
Delhi

Plot No. 19/1, GIDC Panoli, Village- Panoli, Taluka-Anklesvar, District- Bharuch, Gujarat,
Delhi

Imported and Repacked by

KRISHI RASAYAN EXPORTS PVT. LTD.
1115, HEMKUNT TOWER, 98 NEHRU PLACE SOUTH DELHI
Delhi 110019

Customer Care Details:

Ph:011-30885555 Email: krepl.delhi@krepl.in Website:
www.krishirasayan.com

Safety Pictograms:



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HYDROGEN CYANAMIDE

(Contact Plant Growth Regulator)

Hydrogen cyanamide is a Plant Growth Regulator used for breaking bud dormancy in grapes and improving germination and tillering in sugarcane.

Chemical Composition:	Ingredient	%W/W
		Total: 100.00% w/w

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water Litre	Crop Stage	Re-entry Period	Pre Harvest	Frequency
		AI	Formulation ml					
Grapes	Plant Growth Regulator used for breaking bud dormancy in grapes	1.0-1.5%	2.00-3.00%	mix 200-300ml.product in 10lt. water	Just after pruning		110 days	One time application
sugarcane	Dip the sugarcane setts in product solution for 5-15 min before planting for better germination	0.50%	1.00%	1000ml of the product in 100lt. water	5-15 min before planting		119 days	one time application

Note:- .

Good Practices relating to pesticide application techniques

Direction of Use

Crop - Grapes

Mode of application - One directed spray

Dose- 1.00 to 1.50 Percent a.i. OR 2.00 to 3.00 Formulation % (product)

Dilution in water - Mix 200 or 300 ml of the product in 10 litres of water to prepare solution

PHI/Waiting period - 110 says

Crop- Sugarcane

Mode of application- Dipping of setts

Dose- 0.50 Percent a.i. OR 1.00 2.00 to 3.00 Formulation % (product)

Dilution in water - Mix 1000 ml of the product per 100 liters of water

PHI/Waiting period - 119 says

Weather Condition(in general):

Do not spray during rainy, windy and hot sunny period

Soil & Water(where ever applicable):

This PGR is for foliar application and has no adverse effect when used at recommended dose . Avoid using near aquaculture

Crop Stage for application:

Just after pruning

Application Technique

For Grapes: - Use a knapsack sprayer fitted with a flood jet/flat fan nozzle.

For Sugarcane:- Use a plastic drum to prepare solution for dipping.

Equipment Type:

For Grapes: - Use a knapsack sprayer fitted with a flood jet/flat fan nozzle.

For Sugarcane:- Use a plastic drum to prepare solution for dipping.

NozzleType:

flat fan/ flood zet nozzle.

Caution:Í Not to Be Used on Crops Other Than Specified on This Label/Leafletí "

Dosage:

Grapes :2.00-3.00lt. formulation % (1.00-2.00 percent a.i.) mix 200-300 ml of the product in 10 lit. to prepare solution .
Sugarcane : 1.00 lt.formulation % (0.50 percent a.i.) mix 1000 ml of the product per 100 lt. of water .

Instruction for Mixing:

Shake the bottle before use measure out requisite quantity of the PGR and mix it well with small quantity of water. Add the remaining quantity of water as specified with thorough agitation for total coverage of crop with suitable sprayer.

Re-entry Period**Manner and Time of Application**

Do not mix this PGR with other pesticides

Crop - Grapes

Mode of application - One directed spray Just after pruning

Dose- 1.00 to 1.50 Percent a.i. OR 2.00 to 3.00 Formulation % (product)

Dilution in water - Mix 200 or 300 ml of the product in 10 litres of water to prepare solution

PHI/Waiting period - 110 says

Crop- Sugarcane

Mode of application- Dipping of setts in product solution for 5-15 min before planting

Dose- 0.50 Percent a.i. OR 1.00 2.00 to 3.00 Formulation % (product)

Dilution in water - Mix 1000 ml of the product per 100 liters of water

PHI/Waiting period - 119 says

Application Timing

Grapes: Just after pruning

Sugarcane: Dip the sugarcane setts in product solution for 5-15 min before planting

Frequency

One time application

Stages during which pesticides should not be applied on any crop :**Follow the above instructions as mentioned in time of application****Precautions to be taken to avoid harm to the beneficial insects like honey bees and natural enemies of pests :**

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Symptoms Of Poisoning

Cyanamide flush- skin flushing, dizziness, headache, shortness of breath, rapid pulse. skin and eye irritant . skin sensitizer

First Aid

If ingested: if person is conscious and alert, rinse mouth with water and give 1 or 2 glass of water to drink. Never give anything by mouth to an unconscious person. Call the doctor. Do not induced vomiting until and unless desired by attending physician.

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, Consult a physician.

In case of skin contact: Wash thoroughly the affected part of body with soap and plenty of water including hairs and under fingernails. If pain, redness or irritation persists, consult a doctor. All contaminated clothes should be segregated and thoroughly washed with soap and water separately before use.

In case of eye contact: Rinse gently with plenty of water at least for15 minutes. If pain, irritation, redness or photophobia persists. Consult eye specialist

Antidote

No specific antidote, symptomatic and supportive therapy.

Phytotoxicity

Not phytotoxic when applied at recommended dose.

Storage Conditions

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1. The rooms or premises meant for storing shall be well lit, dry, ventilated and of sufficient dimension to avoid contamination with vapour.
2. The packages containing the plant growth regulator shall be stored 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 depending upon the quantity and nature of the insecticide.
3. Store below 20o C in a cool place.

Safety Precaution:

- 1) Avoid inhalation and contact with skin and eyes. 2) Keep away from children, food stuff, animal feed, heat and flame, Store in cool and dry place under lock and key. 3) Do not mix the insecticides with bare hands. 4) Do not eat, drink, smoke or chew tobacco while spray. 5) Spray the insecticide only in the direction of wind blowing and not against it so as to prevent the setting of the drift on body. 6) The user should use full protective clothing with rubber gloves, boots. Face should be covered with face shield or dust mask and body should be covered with an overall or rubber apron and hood or hat. 7) Do not use as an ultra-low volume spray.

Cautionary Statement:

1. **hydrogen cyanamide should be applied separately, not as a tank mix application with other pesticides.**
2. **toxic to fish, aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture.**
3. **Not to be used for any purpose other than those subscribed on label and leaflets.**
4. **Destroy the container after use as directed on leaflet.**

Disposal of used containers, washing from equipment and surplus material :

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

Manufacturer Premises :

SCF1085, sector 21 B, Faridabad - 121001
Haryana

Imported and Repacked by

PNP and Associates Pvt. Ltd.
350, sector 21 B Faridabad Haryana 121001

Customer Care Details:

Safety Pictograms:



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