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





**Pinoxaden 5.1% EC**

**( Selective Herbicide )**

Pinoxaden 5.1% EC is a selective post-emergence herbicide that is recommended for the control of important grass weeds like Phalaris minor and Avena ludoviciana in wheat. It contains 5.1% of the active ingredient pinoxaden which is equal to 50 g per Litre of the formulation.

| <b>Chemical Composition:</b>            | <b>Ingredient</b>  | <b>%W/W</b>        |
|---|--------------------|--------------------|
| castor oil ethoxylate-30                | Emulsifying agents | 5.05 % w/w         |
| cloquintocet mexyl                      | Safener            | 1.26 % w/w         |
| dodecyl benzene sulphonic acid, Ca salt | Emulsifying agents | 2.02 % w/w         |
| Pinoxaden a.i                           | active ingredient  | 5.1 % w/w          |
| Polystyrene                             | Thickener          | 0.51 % w/w         |
| solvesso 200 ND                         | other ingredient   | Q.S. % w/w         |
| tetrahydro-furan-2yl-methanol           | Solvents           | 18.2 % w/w         |
| tris(2-ethylhexyl) phosphate            | Adjuvant           | 34.3 % w/w         |
| <b>Total:</b>                           |                    | <b>100.00% w/w</b> |

**Recommendation**

| <b>Crop(s)</b> | <b>Common Name of Pest</b>                                  | <b>Dosage/HA</b>        |                              | <b>Dilution in Water<br/>L/ha</b> | <b>Crop Stage</b>  | <b>Re-entry Period</b> | <b>Pre Harvest</b> | <b>Frequency</b>   |
|----------------|---|-------------------------|------------------------------|-----------------------------------|--|------------------------|--------------------|--|
|                |   | <b>AI<br/>g a.i./ha</b> | <b>Formulation<br/>ml/ha</b> |                                   |  |                        |                    |  |
| Wheat          | Canary grass, Phalaris minor<br>Wild oat, Avena ludoviciana | 40-45                   | 800 - 900                    | 225-300 l/ha                      | Apply as post emergence spray at 35-45 days after wheat sowing or when Phalaris minor and Avena ludoviciana are of 3-5 leaf stage. | 24 hours               | 90 days            | Apply as post emergence spray at 35-45 days after wheat sowing or when Phalaris minor and Avena ludoviciana are of 3-5 leaf stage. Maximum no. of applications is one. |

**Note:-**

**Good Practices relating to pesticide application techniques**

**Direction of Use**

The herbicide is recommended to be applied using a Knapsack sprayer fitted with a flat fan or deflector nozzle 08 white (DFN08), maintaining a constant nozzle height of 0.35 m which results in a wide-angle fan spray with a narrow rectangular spray pattern. Apply the herbicide with the recommended quantity of water to ensure thorough coverage of weed foliage.

**Weather Condition(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 in the direction of wind to prevent prolonged or repeated exposure to the spray mist. Do not underdose or overdose by overlapping applications or **Soil & Water (where ever applicable):**

This is not a soil applied herbicide hence, not applicable. 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.

**Crop Stage for application:**

Apply as post emergence spray at 35-45 days after wheat sowing or when Phalaris minor and Avena ludoviciana are of 3-5 leaf stage.

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

### **Application Technique**

The herbicide is recommended to be applied using a Knapsack sprayer fitted with a flat fan or deflector nozzle 08 white (DFN08), maintaining a constant nozzle height of 0.35 m which results in a wide-angle fan spray with a narrow rectangular spray pattern. Apply the herbicide with the recommended quantity of water to ensure thorough coverage of weed foliage.

### **Equipment Type:**

**Spray with knapsack sprayer or any other suitable sprayer**

### **NozzleType:**

**Flat fan or a deflector nozzle 08 White (DFN 08)**

### **Dosage:**

Given in the table

### **Instruction for Mixing:**

Measure out the 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

### **Re-entry Period**

24 hours

### **Manner and Time of Application**

Apply as post emergence spray at 35-45 days after wheat sowing or when Phalaris minor and Avena ludoviciana are of 3-5 leaf stage. Pinoxaden is rapidly absorbed by weed foliage and translocated to the growing point of leaf and stem. Susceptible weed species generally stop growing within 48 hours of treatment, turn yellow within 1-3 weeks and are completely controlled within 3-5 weeks.

### **Application Timing**

Apply as post emergence spray at 35-45 days after wheat sowing or when Phalaris minor and Avena ludoviciana are of 3-5 leaf stage.

### **Frequency**

Apply as post emergence spray at 35-45 days after wheat sowing or when Phalaris minor and Avena ludoviciana are of 3-5 leaf stage. Maximum no. of applications is one.

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

**As a Pre-emergence before 35 days of sowing should not apply**

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

-

### **Symptoms Of Poisoning**

No case of human poisoning is on record. In laboratory studies, poisoning symptoms in rodents were non-specific: decreased activity, piloerection, hunched posture, salivation and lacrimation, skin and eye irritant

### **First Aid**

If ingested: if person is conscious and alert, rinse mouth with water and give 1 or 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Call the doctor. Do not induce 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 hair 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 is known. Apply symptomatic therapy.

### **Phytotoxicity**

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

If applied at the recommended dose, the product is not phytotoxic

**Storage Conditions**

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 and animal feed 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.

**Safety Precaution:**

Do not use cooking utensils for preparing the spray solution. Use wooden stick for stirring the spray solution. Avoid contact with skin, eyes, mouth and clothing. Avoid inhalation of fog, vapors or spray mist. Wear protective clothing (full sleeve shirt and pants), chemical resistant gloves, mask, goggles, cap/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 insecticide. Also wash the contaminated clothes before re-use. Newly treated areas must not be grazed and all livestock's area 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. Remove heavily contaminated soil layer, collect up spilt material thoroughly and bury it in a safe place. Rinse spilt area with plenty of water. Run-off in to surface water to be avoided. In case of any sign of poisoning, immediately consult the doctor.

**Cautionary Statement:**

- 1. Toxic to fish, aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture.**
- 2. Not to be used for any purpose other than those subscribed on label and leaflets.**
- 3. Destroy the container after use as directed on leaflet.**
- 4. this is quickly degraded in soil and has little or no soil activity.**

**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 :**

Plot No. 1, Swastik Ceramic Compound, AT & PO Sankarda,  
District Baroda, Gujarat  
Maharashtra

Syngenta India Limited, Santa Monica Works, Corlim, Ilhas, Goa  
Maharashtra

Unit II, Plot No. 155/1, GIDC Estate, Ankaleshwar, District-  
Bharuch, Gujarat  
Maharashtra

Village Nimbua, Tehsil Dera Bassi, District SAS Nagar (Mohali),  
Punjab . 140201.  
Maharashtra

**Manufactured by**

Syngenta India Limited  
Syngenta India Limited, Amar Paradigm, S.No. 110/11/3, Baner  
Road, Pune- 411 045 Pune Maharashtra

**Customer Care Details:**

Website: [www.syngenta.com](http://www.syngenta.com)

**Safety Pictograms:**



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



(1). Syngenta India Limited, Santa Monica Works, Corlim, Ilhas,  
Goa  
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(2). Unit II, Plot No. 155/1, GIDC Estate, Ankaleshwar, District-  
Bharuch, Gujarat  
Gujarat

(3). Plot No. 1, Swastik Ceramic Compound, AT & PO Sankarda,  
District Baroda, Gujarat  
Gujarat

(4). Village Nimbua, Tehsil Dera Bassi, District SAS Nagar  
(Mohali), Punjab . 140201.  
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**Customer Care Details**

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Email: Rajesh.Dhawan@syngenta.com,  
Website: www.syngenta.com,  
Contact No: 011-71010212

**Safety Pictograms:**



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www.syngenta.com  
011-71010212



**Total: 100.00%**

Net Content / Volume

Max. Retail Price

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Safety Precautions, Symptom of Poisoning and First Aid :Please refer leaflet for details.

Antidote Statement:

no specific antidote is known. apply symptomatic therapy.

Cautionary statement:

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Contact No: 011-71010212

Safety Pictograms:









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