

CIR-181860/2021-Diuron (WP) (428)-99

**Diuron 80 % W.P**

**( Herbicide )**

Diuron 80% WP is a broad spectrum herbicide containing Diuron 80% W/W as active ingredients and balance adjuvants. \* Caution Toxic to aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture.

**Recommendation**

| Crop(s) | Common Name of Pest   | Dosage/HA |                  | Dilution in Water (Lit) | Waiting Period between last spray to harvest (in days) | Re-entry after each Application (In Hours) |
|---------|---|-----------|------------------|-------------------------|--|--|
|         |   | AI (Kg)   | Formulation (Kg) |                         |  |  |
| Grapes  | Cyperia, Eleusine aegyptia, Medicago denticulate, Asphodelus tuennifolius, Fumaria parviflora, Xanthium strumarium, Ipomea spp. , Amaranthus spp. , Argemone maxicana, Euphorbia hirta, Alternanthera echinata, cleome viscosa, chenopodium album | 1.60      | 2.00             | 625                     |  |  |
| Cotton  | Chenopodium album, Euphorbia sp, Portulaca oleracea, Convolvulus arvensis, Digitaria sp., Setaria glauca, Amaranthus spp., Anagallis arvensis, Xanthium strumarium, Vicia sativa, Asphodelus tuenuifalious  | 0.75-1.50 | 1.00-2.00        | 625                     |  |  |
| Banana  | Amaranthus spp., Dactyloctenium aegyptium, Chloris barbata, Eragrostis zeylenica, Cyperus iria, Commenlina benghalensis, Digiteria spp.   | 1.60      | 2.00             | 625                     |  |  |

|           |   |           |           |     |    |  |
|-----------|---|-----------|-----------|-----|----|--|
| Sugarcane | Cyperus iria, Portulaca racea, Echinochloa rusgalli, Cynotis spp. Amaranthus spp. Convonvulus spp. Digaitaria spp.                        | 1.60-3.20 | 2.00-4.00 | 600 | -- |  |
| Citrus    | Digera arvensis, Cyperus iria, Tribulus terrestris, Commelina nudiflora, Cocumis trigonus.  | 2.00-4.00 | 2.50-5.00 | 600 |    |  |
| Maize     | Eleusine aegyptia, Euphoria hirta, Amaranthus spp., Phyllantus nururi, Digitaria spp. ,Chenopodium album, Echinochloa spp. , Cyperus iria | 0.80      | 1.00      | 600 |    |  |
| Rubber    | Grasses & non grasses   | 1.60-3.20 | 2.00-4.00 | 625 |    |  |

### **Direction of Use**

Knapsack, compression knapsack sprayer. compression knapsack battery sprayer with flat fan or flood jet nozzle.

### **Time of Application**

Cotton: Pre emergence application a day or two days after dipping cotton seed.

Banana: Pre emergence application after eliminating the existing weed manually or mechanically. Citrus: Pre emergence application after eliminating the existing weeds.

Grapes: Pre-emergence

Maize: Pre-emergence

Rubber: Pre emergence blanket application

Sugarcane: Pre emergence

### **Precaution**

1. Keep away from foodstuffs, empty foodstuff containers and animals food.
2. Avoid contact with mouth, eyes and skin.
3. Avoid inhalation the spray mist. Spray in the direction of wind.
4. Wash thoroughly the contaminated clothes and parts of the body after spraying.
5. Do not smoke, drink, eat and chew anything while spraying.
6. Wear full protective clothing while mixing and spraying.

### **Symptoms Of Poisoning**

Headache, nausea, vomiting, dizziness, nervousness, anxiety, convulsions may occur.

### **First Aid**

1. If swallowed, induce vomiting by tickling the back of throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient is unconscious.

2. If clothing and skin are contaminated, remove the clothes and wash the contaminated skin with copious amount of soap and water.
3. If eyes are contaminated, flush with plenty of saline/clean water for about 10 to 15 minutes.
4. If inhaled, remove the patient to fresh air.

### **Phytotoxicity**

-

### **Antidote**

No specific antidote is known. Treat symptomatically.

### **Disposal Of Used Container**

1. It shall be the duty of manufactures, formulators of product and operators to dispose packages or surplus materials and washing from the machine the container shall be disposed off in safe manner. so as to prevent environmental and water pollution.

The packages shall be not left to prevent their re-use.

packages shall be broken and buried away from habitation.

### **Storage Conditions**

a. The package containing the material 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 nature and quantities of insecticides.

b. The rooms or premises meant for storing the material shall be well built dry, well lit and ventilated and of sufficient dimension to avoid contamination with vapour

### **Chemical Composition:**

---

|                      |                      |                            |
|----------------------|----------------------|----------------------------|
| Diuron Technical     | (based on 95 % w/w ) | 84.20 % w/w                |
| Alkyl Aryl Sulfonate |                      | 2.00 % w/w                 |
| Tamol PZ -1          |                      | 2.00 % w/w                 |
| China Clay           |                      | 11.80 % w/w                |
|                      |                      | <b>Total:100.000 % w/w</b> |

---