

## MAIZE

Chemical Fertilizer : How Much Chemical Fertilizer Should Be Given To The Crop Depends On The Amount Of Nutrients In The Soil. That Is Applying Fertilizer As Recommended Soil Chemical.

- 1) 10% In The Nitrogen Base
- 2) 20% Nitrogen 4 Leaf Corn Stages
- 3) 30% Nitrogen At 8 Leaf Stage
- 4) 30% In The Flower And Leather Stage
- 5) 10% At The Stage Of Grain Filling

➤ Time And Applications: When The Crops Is 1 To 15 Days Old ,Disease Free Healthy Plants Are 20 Cm.Follow The Distance Late Fertilization Can Stunt The Growth Field Plants.

➤ Seed Treatment: As a Standard ,Maize Seed Is Treatment With a Fungicide (I.e Captan-r Or Celest -R )And Frequently Also With An Insecticide (I.e Cruiser-R,Faucho-R, Or Poncho-r)Or With Both Before Planting ,To Protect Emerging Seedling From Soilborne Fungal Disease And Insect Peasts.

➤ Precaution By Us: Seed Should Be Treated With First Fungicides Then Pesticides And Then After That It Should Be Treated With Biological Culture. The Treatment Seeds Should Dry Well In The Shade.

If The Seeds Are Left After The Seeding Process Then It Should Not Be Fed To The Animals .The Empty Containers Or Packets Of Medicines Should Be Destroyed .

➤ Precaution By Users: Avoid Contact With Skin And Respiratory Tract And Wear Suitable Protective Equipment During Seeds Handlings And Equipment Cleaning. Wash Hands And Exposed Skin Before Meals And After Work.

#### Selection Of Seeds:

Species Name	Properties
1. Gujrat Maize-2	Yellow Granules
2. Gujrat Maize-4	White Shing Granule
3. Gujrat Maize-6	Flowing Ripening
4. Peart Of Narmada	Medium Early Maturity
5. Madhuri	Sweet Corn

Adverse Effect Of Maize: High Intake Can Cause Digestive Upset Such As Bloating ,Gas And Diarrhea In Some People .Corn Contains Phytic Acid Which May Reduce Mineral Absorption.Mycotoxin Contamination May Also Be a Concern In Developing Countries.Finally Corns Soluble Fiber May Cause Symptoms For Some People.

Potato: Chenopodium  
Album  
Trianthema  
Monogyna  
Parthenium  
Hysterophorus

750 Gm-Sencor Matribuzin 70%  
Wp/Weedicide Pesticide For Agricultural Use  
Only.

Chemical Composition :	%w/w
Matribuzin Tech [A]	70.00
Alkylonyl Sulphonate	05.00
Alkaryl Sulphonate	06.00
Silicic Acid	08.00
China Clay	02.50
Total	100%w/w

Activity: Sencor Acts Through The Roots And  
Leaves And Therefore ,Can Be Used For Both  
Pre And Post Emergence Applications.

### Precaution for use

1. Avoid Use In Sandy Soil.
2. Spray On Clear Day.
3. Second Irrigation Should Be Light And Avoid Stagnation Of Water.
4. To Be Applied Within 35 Days After Sowing Of Crops When Weeds Are Of 2-3 Leaf And Crop Of 3-5 Leaf Stage.
5. Avoid Overlapping During Application.
6. Do Not Tank Mix With Other Harbicides.
7. Do Not Broadcast.It Should Be Sprayed At Optimum Concentration With Flood Jet/Flat Fan Nozzles.

### Precaution by users

1. Avoid Inhalation And Skin Contact While Diluting.
2. Do Not Mix With Bare Hands.
3. After Each Operation The Mixing And Spraying Equipment Is To Be Rinsed Thoroughly With Plenty Of Water,Using a Detergent Or Soap Solution Being Put To Use For Spraying Other Pesticides.

4. Any Spraying Spray Solution Must Not Be Disposed Or In Crop Lands Or In Stagnant Or Flowing Water, Where There Is a Possibility Of Polluting Water Sources.

Conclusion: It Is Very Harmful For Human Health.

## ❖ GROUND NUTS :

### Types Of Pesticides

#### 1. Fungicides:

**Name Of Pesticides :** Systiva, Folicur

**Chemical Components:** Systiva Contains 333.8/l Of Fluxapyroxad.

**Use:** It Is Very Effective As a Seed Treatment Fungicide To Control Anthracnose Disease And Rhizoctonia And Aspergillus Black Rot In This Ground Nut.

#### 2. Herbicides:

**Name Of Pesticide:** Iris

**Chemical Components:** Sodium Acifluorfen  
**Use:** It is Remove The Unwanted Grass Around  
The Groundnuts.

### 3. Insecticides

**Name Of Pesticide:** Vayego

**Chemical Component:** Tetranilipole: 18.18%

**Use:** To Kill The Insects.

➤ **Adverse Effect:** Use Of This Pesticides In  
Ground Nut ,It Increase The Growth Of  
Plant, The Seed Of It's Is Big.

#### ➤ Conclusion:

**Effect On Public Health:** These  
All The Pesticides Given Above Is Poissoness So  
The Symptoms Of This On Human Body Is Like  
Weakness, Fatigue, Dyspnoea, Lathargy, Ataxia,  
Spasm.

✧ **First Aid Measure:** Remove Contaminated  
Clothing Immediately And In Case Of  
Inhalation Move To The Fresh Air And In

Case Of Skin Contact Wash Off With Soap And Plenty Of Water.

**Note:**One Thing To Notice That Is This All Pesticides Have No Specific Antitode Solution,

1. Use Organic Fertilizer Rather Than This Pesticides Or Less Use Of This Pesticides.
2. In This There Is a Same Lose In The Income But It's Good For Health. If We Not Use Pesticides And Do Organic Farming And That Is The Best Way.



**Pesticides Adverse Effect:** Toxic Effect By Pesticide Exposure Can Range From Mild Symptoms, Like Minor Skin Irritation Or Other Allergic Symptoms. To More Severe Symptoms, Like Strong Headache, Dizziness Or Nausea. Some Pesticides e.g. The Organophosphate Can Cause Severe Symptoms Like Convulsions, Coma And Possibly Even Death.

**Conclusion:** Many Insecticides Do In Fact Is The Intended Task Of Controlling Pest Populations. However, Their Detrimental Health And Environmental Effects Make Them An Inadequate Synthetic And Natural. In Addition, Must Suspected To Ineffectiveness Due To Resistance Buildup In Insects.

## Fungicide For Cotton Crop

1. Azoxystrobin 18.2% + Diphenoloneazole  
11.4% Sc

Trade Name : Atul Crop Care

Dosage/Care: 200 ml

3. Fluxapyroxad 167 g/l + Pyraclostrobin  
333 g/l Sc

Trade & Manufactures: Atul Crop Care

Dosage/Care: 400 ml