



Limagrains India

Data Sheet

LG 36503



Suitable for high to medium yield environments in Kharif Season

Grain Colour : Orange Yellow
Grain Texture : Semi Dent
No of Rows : 12-14
Shelling% : 80%-82%

Recommended Geography

Maharashtra / Madhya Pradesh & Jharkhand

Hybrid Information

Maturity Medium –
105-115 days
Plant Height 210-215 cm
Ear Placement
Ratio 105-110 cm
Cob Placement Medium
Husk Cover Tight
Shank Colour White

Key Features

- Long & Robust ear
- Moderate ear rot tolerance
- Tight husk cover



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TECHNICAL RECOMMENDATIONS

Selection of Land

Maize can be grown in varied kind of soil. Select the levelled suitable heavy or light soil with good water holding capacity and proper drainage to avoid water stagnation.

Preparation of Land

- Deep ploughing is required once or twice depending upon soil condition followed by levelling up of the soil.
- Prepare straight ridges 60cm space between the rows.
- Ensure that soil have enough moisture for seed to germinate

Application of Organic Fertilizers:

- Application of Farm yard manure at 3 to 5 ton per acre (2 months before sowing)
- Green manure also can apply to improve the soil fertility (Based on Availability)

Sowing and Spacing:

- Spacing should be maintain 60 cm between row to rows and 20-22.5 cm between plant to plant
- Sowing will plan based on rainfall between Mid-June to First week of July.
- Always shallow sowing depth is recommended for good germination (Avoid deep sowing)
- Maintain Good moisture level for better seed gemination

Note

- Application of Zinc sulphate should not be mix with DAP or any other fertilizer. 5Kg of Zinc sulphate should be mix with 15-20Kg of soil and apply for 1 acre of field.
- Application of Micronutrients is essential if soil was deficient of micronutrients

Weeds Management and Inter cultivation:

- Application of Pre-emergent Herbicide is essential to protect from weeds at early stage: Atrazine (50% WP) @ 400-800 gms/acre based on the weed intensity
- Atrazine & Surfactant spray can be applied as per specific company instruction.
- Need to protect the crop by manual weeding followed by earthing up for better protection from weeds.
- If there is a difficulty in Manual weeding, then go for post emergent herbicide: Tembotrione (Laudis) @ 150ml/Acre or Topramezone (Tynzer) @ 30ml/acre. (Use the instruction recommended by the specific company).

Critical stages for Irrigations:

- Seedling stage
- Knee-height stage
- Flowering stage
- Grain filling stage
- Hardening stage

Pest Management: (Major pest: Fall Armyworm (FAW) & Stem Borer)

- For control of Fall Armyworm: Spray of Spinetoram (Delegate) @ 200 ml per acre in 200 L of water. For better control of FAW always spray the chemical to Whorl of maize plants.
- Stemborer: Thiamethoxam 12.60% +Lambda-Cyhalothrin 09.5% ZC (Alika 247 ZC), Dosage to be as per company instruction

Harvesting:

- Check the black layer formation in grain before harvest and harvest at 12-15 % moisture level in grains
- Harvest at <25% moisture in grain and later dry at proper condition to reduce the grain moisture level.

| Application of Chemical Fertilizer | | | | |
|------------------------------------|-----------------|----------------|----------------|--------------------------|
| Crop Stage | Urea Kg/Acre | DAP Kg/Acre | MOP Kg/Acre | Zinc Sulphate Kg/Acre |
| Along with sowing | 25 | 80 | 50 | 10 |
| 30-35 days after sowing | 50 | 0 | 0 | 0 |
| 50-55 days after sowing | 50 | 0 | 10 | 0 |
| Totals | 125 Kg/Acre | 80 Kg/Acre | 60 Kg/Acre | 10 Kg/Acre |

