

Agronomy: Corn Hybrid

Selection of field/Land Preparation practices:	Soil Should be well drained, fertile and leveled. Soil with pH 5.5 – 7.8 are most favorable for corn growing. One Ploughing followed by two harrowing make soil suitable for corn cultivation.												
Seed treatment – rate of timing / Chemical:	Seeds are treated with basic seed treatment of Metalaxyl/Thiram for protections against initial fungal diseases. Seeds can be further treated with other specialized chemicals as per the crop protection needs.												
Fertilizer dose/acre with timing:	<p>For higher economic yield of maize, application of FYM 10 T/Ha 10-15 days prior to sowing, supplemented with below schedule. Nitrogen should be applied in 3 – Slits for higher N use efficiency.</p> <table><tr><th>Crop Age</th><th>Basal (0 days)</th><th>Knee Height (30-35 days)</th><th>Flowering (55-60 days)</th></tr><tr><td>Fertilizer dose Kg/Acre</td><td>Urea – 35 DAP – 50 MOP – 20 ZnSO4 - 10</td><td>Urea – 50 Sulphur - 3</td><td>Urea – 40 MOP – 20</td></tr></table>	Crop Age	Basal (0 days)	Knee Height (30-35 days)	Flowering (55-60 days)	Fertilizer dose Kg/Acre	Urea – 35 DAP – 50 MOP – 20 ZnSO4 - 10	Urea – 50 Sulphur - 3	Urea – 40 MOP – 20				
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Weed Control – chemicals with doses & timings:	<p>Application of pre emergent herbicide Alachlor 50% EC @ 0.5 ltr/acre and Atrazine 50% WP @ 1 kg/acre within 3 days of sowing, ensure that there is sufficient moisture in the soil.</p> <p>Apply Post emergent herbicide – Calaris Xtra @ 1.4 lt/Acre at 2-3 weed leaf stage. पोस्ट इमर्जेंट हर्बिसाइड कैलरिस एक्स्ट्रा का अनुप्रयोग @ 1.4 ली/ एकड़ , 2-3 खिपतवार् पत्ती अवस्था में करें !</p>												
Disease & pest control – chemicals with doses & timing:	<p>Pest control: 17-21 DAS : Thiamethoxam 12.6% + Lambda Cyhalothrin 9.5% ZC @ 80 – 100 ml/Acre for Stem Borer control & Isabion 300 ml/Acre for better growth. 20-25 DAS: Furadon 3G @8 Kg/Ha-Place the granules in whorl</p> <p>Disease Control: Knee high Stage: Azoxystrobin 18.2% w/w + cyproconazole 7.3% w/w SC @ 200 ml/Acre for foliar disease control</p>												
Irrigation Schedule:	<table><tr><td>First irrigation:</td><td>Seedling Stage:</td><td>15-20 DAS</td></tr><tr><td>Second irrigation:</td><td>Pre flowering Stage:</td><td>35-40 DAS</td></tr><tr><td>Third irrigation:</td><td>Flowering Stage:</td><td>50-55 DAS</td></tr><tr><td>Fourth irrigation:</td><td>Grain Filling Stage:</td><td>75-80 DAS</td></tr></table>	First irrigation:	Seedling Stage:	15-20 DAS	Second irrigation:	Pre flowering Stage:	35-40 DAS	Third irrigation:	Flowering Stage:	50-55 DAS	Fourth irrigation:	Grain Filling Stage:	75-80 DAS
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Harvesting:	Kernel is physiologically mature when it attains around 20-24% moisture, the crop is ready for harvesting at this stage. Check for black layer brown husk before harvesting. Dehusk harvested cobs and dry.												
Disclaimer : "The explained hybrid characters are indicative. As a result of varied soil type, water, weather conditions and crop rotation, the yield may vary. As method of seed sowing and usage is not in our control, hence, only seed quality can be ensured"													