Maize

Recommendation released in last 10 years

<table>
<tr><td>2017-18</td><td>1</td><td>The application of Zinc Sulphate @25 kg ha^{-1} (incubated with 500 kg FYM for one week and applied before sowing) along with recommended nutrients dose based on soil test values + FYM@ 10 t ha^{-1} is recommended for higher grain yield and economic returns of maize on zinc deficient shallow soils of Sub-Montane Zone of Maharashtra.</td></tr>
<tr><td>2016-17</td><td>2</td><td>It is recommended to sow Bajra, Maize, Jowar, Sun hemp and Dhaincha in the first week of February as a cover crop under the canopy of custard apple for better fruit set, early harvesting and higher market price as off season fruits.</td></tr>
<tr><td>2015-16</td><td>3</td><td>Sowing of kharif maize followed by rabi potato and summer groundnut in sequence at 60x20 cm, 45x20 cm and 22.5x15 cm, respectively on BBF (90 cm top and 120 cm base) with single lateral per bed and 100 % ETc water at alternate day and recommended dose of water soluble fertilizers through drip for higher yield, returns and efficient water and nutrient use is recommended on medium deep soils of Western Maharashtra.</td></tr>
<tr><td>2014-15</td><td>4</td><td>Application of 10 t FYM ha^{-1} alongwith nitrogen, phosphate and potash as per yield targeting equation for 60–70 q ha^{-1} yield of kharif maize (grain) and maintaining the soil fertility is recommended for Inceptisols of Western Maharashtra.
<table>
<tr><th colspan="2">With FYM</th></tr>
<tr><td>FN</td><td>= 3.88 X T – 0.56 X SN – 3.19 X FYM</td></tr>
<tr><td>FP$_2$O$_5$</td><td>= 1.91 X T – 0.99 X SP – 1.46 X FYM</td></tr>
<tr><td>FK$_2$O</td><td>= 2.09 X T – 0.13 X SK – 1.08 X FYM</td></tr>
<tr><th colspan="2">Without FYM</th></tr>
<tr><td>FN</td><td>= 4.51 X T – 0.65 X SN</td></tr>
<tr><td>FP$_2$O$_5$</td><td>= 1.93 X T – 1.05 X SP</td></tr>
<tr><td>FK$_2$O</td><td>= 2.57 X T – 0.16 X SK</td></tr>
</table>
Where FN, FP$_2$O$_5$ and FK$_2$O is fertilizer N, P$_2$O$_5$ and K$_2$O in kgha^{-1}, T is yield target in q ha^{-1} and SN, SP and SK are soil available N, P and K in kg ha^{-1}, FYM in t ha^{-1}.</td></tr>
<tr><td></td><td>5</td><td>Drip fertigation with 80 % recommended dose (96 : 48: 32 NPK kg / ha) of water soluble fertilizers in 12 weekly splits as per following schedule is recommended for higher yield and net returns, efficient water and nutrient use for kharif maize in medium deep soils of Maharashtra.
Fertilizer Schedule: Per cent nutrients to be applied in 12 weekly splits
<table>
<tr><th rowspan="2">Weeks after sowing</th><th colspan="2">Nitrogen (N)</th><th colspan="2">Phosphorus (P$_2$O$_5$)</th><th colspan="2">Potassium (K$_2$O)</th></tr>
<tr><th>%</th><th>Kg/ha</th><th>%</th><th>Kg/ha</th><th>%</th><th>Kg/ha</th></tr>
<tr><td>1-3 weeks</td><td>30</td><td>29</td><td>25</td><td>12</td><td>25</td><td>8</td></tr>
<tr><td>4-6 weeks</td><td>40</td><td>38</td><td>35</td><td>17</td><td>40</td><td>13</td></tr>
<tr><td>7-9 weeks</td><td>20</td><td>19</td><td>20</td><td>10</td><td>20</td><td>6</td></tr>
<tr><td>10-12 weeks</td><td>10</td><td>10</td><td>20</td><td>9</td><td>15</td><td>5</td></tr>
<tr><td>Total</td><td>100</td><td>96</td><td>100</td><td>48</td><td>100</td><td>32</td></tr>
</table></td></tr>
<tr><td>2013-14</td><td>6</td><td>The application of 50 per cent recommended dose of nitrogen (67.50 kg ha^{-1}) through chemical fertilizer (Urea 145 kg ha^{-1}) + 50 per cent nitrogen through FYM (5 tonnes ha^{-1}) and recommended dose of phosphorus and potassium (40 kg ha^{-1}</td></tr>
</table>

		each) to maize crop in medium deep soil is recommended for higher monetary returns in Scarcity Zone of Maharashtra.
	7	It is recommended to increase the knowledge level of the brinjal growers regarding recommended plant protection measures through mass media and organizing training programmes for increasing adoption of integrated use of chemical and biological pesticides by the Department of Agriculture in coordination with the State Agricultural University **Recommended Plant Protection Measures** ✓ For avoiding infestation of sucking pest at time of transplanting sow maize for as a border crops. Use of yellow sticky traps.
2012-13	8	Soil applications of $FeSO_4$ + $ZnSO_4$ @ 5 kg ha^{-1} each at sowing and 30 days after sowing with general recommended dose of nutrients to hybrid maize in iron and zinc deficient Entisols of Western Maharashtra is recommended for higher yield, monetary returns and increase in availability of iron and zinc in soils. **Improved technology** 1. Crop : Hybrid Maize 2. General recommended dose of nutrient (120:60:40 kg ha^{-1} $N:P_2O_5:K_2O$ + 10 t ha^{-1} FYM) 3. Soil applications of $FeSO_4$ + $ZnSO_4$ @ 5 kg ha^{-1} each with recommended dose of fertilizers 60:60:40 kg ha^{-1} $N:P_2O_5:K_2O$ + 10 t ha^{-1} FYM at sowing and $FeSO_4$ + $ZnSO_4$ @ 5 kg ha^{-1} each with 60 kg N ha^{-1} at 30 days after sowing.