

CROP PRODUCTION RECOMMENDATIONS

Sr. No.	Farmers/Scientific Recommendation
1	<p>Effect of different organic manures and Bio NPK consortium on dry biomass yield and quality of Kalmegh (<i>Andrographispaniculata</i>L.) and its residual effect on Kalijiri [<i>Baccharoidesanthelmintica</i> (L.)] Moench (2022-23)</p> <p>The farmers of middle Gujarat Agro-climatic Zone growing kalmegh-kalijiri cropping system are recommended to adopt any of below recommendation for obtaining higher yield and net return</p> <p>Apply recommended dose of 50 kg N/ha through neem cake (2.5 t/ha) as basal to kalmegh only</p> <p style="text-align: center;">or</p> <p>Apply recommended dose of 50 kg N/ha through vermicompost (4.5 t/ha) as basal to kalmegh only</p> <p style="text-align: center;">or</p> <p>Apply 5 t/ha FYM along with 25 kg N/ha and 25 kg P₂O₅/ha as basal and 25 kg N/ha at 30 DATP from fertilizers to kalmegh only.</p>
2	<p>Effect of different organic manures and Bio NPK consortium on yield and quality of <i>Asalio</i> (<i>Lepidium sativum</i> L.) (2020-21)</p> <p>The farmers of middle Gujarat Agro climatic zone growing <i>Asalio</i> (Gujarat <i>Asalio</i>1) are recommended to apply FYM 10 t/ha + Bio NPK consortium as a seed treatment 5 ml/kg seed + soil treatment 1 L/ha as drenching after one month of sowing (MAS) or apply FYM 10t/ha for securing higher seed yield and net return.</p>
3	<p>Effect of different sowing dates and transplanting dates on growth, yield and oil yield of <i>Basil</i> (<i>Occimum basilicum</i> L) (2020-21)</p> <p>The farmers of middle Gujarat agro-climatic zone cultivating basil (GAB1) in Kharif season are recommended to transplant basil during the 3rd Week of July with the spacing of 60 x 45 cm for securing higher dry herbage yield and net return.</p>
4	<p>Effect of different organic manures and Bio NPK consortium on yield and quality of <i>isabgul</i> (<i>Plantgo ovate</i> L.) (2020-21)</p> <p>The farmers of middle Gujarat Agro climatic zone growing Isabgul (GI 4) are advised to apply FYN 4 t/ha or castor cake 0.5 t/ha or Neem cake 0.5 t/ha or Vermicopost 2 t/ha or Bio NPK consortium seed treatment 5ml/kg seeds or Soil treatment 1 lit/ha as drenching for securing higher seed yield and net return.</p>
5	<p>Effect of organic manures on dry biomass yield of tulsi (<i>Leptadenia reticulata</i>) (2017-18)</p> <p>The farmers of middle Gujarat agro climatic zone growing green <i>Tulsi</i> crop in <i>kharif</i> season are advised to apply FYM 15 t/ha for securing higher dry biomass yield (5.92 t/ha), net return (117572 Rs/ha) and ICBR (4.16)</p>

6	<p>Effect nitrogen levels on dry biomass yield of Dodi (<i>Leptadenia reticulata</i> W. & A.). (2017-18)</p> <p>The farmers of middle Gujarat agro climatic zone growing <i>dodi</i> crop in <i>kharif</i> season are advised to apply 200 kg N/ha (50 kg as basal, 50 kg at 45 DAP and 50 kg each after 1st and 2nd cutting) along with 25 kg P₂O₅/ha as basal for securing higher dry biomass yield and net return.</p>
7	<p>Effect of irrigation intervals on dry biomass yield of Dodi (<i>Leptadenia reticulata</i> W. & A.). (2016-17)</p> <p>The farmers of middle Gujarat Agro-climatic zone growing Dodi crop in <i>Kharif</i> season are recommended to irrigate the crop at 0.8 IW/CPE ratio (12 irrigations each at interval of 20-25 days in winter and 12 to 15 days in summer) after first cutting i.e. 90 Days after transplanting for securing higher dry biomass yield (10638 kg/ha) and net return (239665 Rs/ha).</p>
8	<p>Effect of different spacing and date of sowing on dry biomass yield of Bhoy ambli (<i>Phyllanthus fraternus</i>) (2014-15)</p> <p>The farmers of middle Gujarat Agro-climatic zone-III interested to grow <i>Bhoy ambli</i> (<i>Phyllanthus fraternus</i>) are recommended to sow <i>Bhoy ambli</i> in 1st week of July with broadcasting or 15 cm spacing apart for securing higher seed yield and net retrun.</p>
9	<p>Effect of organic manures on dry biomass yield of Dodi (<i>Leptadenia reticulata</i>) (2014-15)</p> <p>The farmers of middle Gujarat Agro-climatic zone-III growing <i>Dodi</i> crop (<i>Leptadenia reticulata</i>) in <i>Kharif</i> are recommended to manure the crop with 10 t FYM/ha at the time of land preparation for securing higher dry biomass yield (8294 kg/ha) and net return (156545 Rs/ha)</p>
10	<p>Effect of different date of sowing and spacing on yield of Vernonia (kalijiri); <i>Vernonia anthlmintica</i> (L) Willd. (2013-14)</p> <p>The farmers of middle Gujarat Agro-climatic zone–III (AES-III) growing Vernonia (<i>kalijiri</i>) during <i>Rabi</i> season are advised to sow the crop during October up to third week at 45 cm row spacing for securing higher seed yield and net return.</p>