

## Monsoon Action Plan of KVK Dantewada (2015-16)

### Strategies for weather related contingencies

#### Drought

Early season drought (delayed onset)	Major Farming Situationa	Normal Crop / Cropping system	Change in crop / cropping system including variety	Agronomic measures	Remarks on Implementation
Delay by 2 weeks 4th week of June	Slopy Upland (Marhan) Upland Bunded (Tikra)	Rice fallow – (Local variety , Broad casting)	Rice fallow Early duration varieties CR-40 (90days), Poornima (105 days), Danteshwari (105 days).	<ul style="list-style-type: none"> <li>• Do hand weeding at 20-25 days after sowing.</li> <li>• To avoid biasi operation following herbicide will be used</li> <li>• Fenoxaprep-p-ethyl 9 EC @ 60 ml. a.i/ ha (625 ml formulation) at 15-20 days +ethoxisulphuron 15 g/ha. a.i (100 ml/ha formulation) or Chlorimura+Metsulfuron 20% @ 4 gms ai/ ha.(20 gram formulation)</li> <li>• For broad leaves and narrow leaves both weed Bispyribac sodium 10% @ 20-25 a.i/ha. (200-250 gm formulation) or pinoxsulam 24% 22.5 gram a.i/ha.(93gram/ha.formulation)</li> <li>• 60:40:30 N: P: K full dose of P &amp; K and ½ dose of N should be applied basal remaining N should be top dressed at tillering and PI stage.</li> </ul>	<ul style="list-style-type: none"> <li>• Percolation tank should be excavated on the upper corner for recharge/life saving irrigation.</li> <li>• Trenches should be dug out on the upper side and lower side of field for in situ moisture conservation</li> </ul>
	Midland (mal)	Rice fallow – (Local variety , Transplanting without planting geometry )	Poornima(105 days), Danteshwari(105days), Samleshwari (110days), Indira Barani Dhan-1(120 days) Karma Mahsuri(125 days) , IGKVR1(Rajeshwari,125days)	<ul style="list-style-type: none"> <li>• Line Transplanting.</li> <li>• Herbicide like Fenoxaprop-p-Ethyl 9 EC @ 60 ml. ai/ ha.</li> <li>• Chlorimura+Metsulfuran20% @ 4 gms. ai/ ha. Almix @ 8 g and whipsuper 250 ml dissolved in 10 ltrs of water for 1 acre./Butachlor 1.5 kg ai/ha PE. Weeding by upland weeder.</li> <li>• 60:40:30 N: P: K full dose of P &amp; K and ½</li> </ul>	<ul style="list-style-type: none"> <li>• Percolation tank should be excavated on the upper corner for recharge/ life saving irrigation.</li> <li>• Trenches should be dug out on the upper side and</li> </ul>

				dose of N should be applied basal remaining N should be top dressed at tillering and PI stage.	lower side of field for in situ moisture conservation
	Lowland (Gabhar)	Rice	Bamleshwari (135days), Swarna(145-150 days),	<ul style="list-style-type: none"> <li>Do hand weeding at 20-25 days after sowing.</li> <li>To avoid biasi operation following herbicide will be used</li> <li>Fenoxaprep-p-ethyl 9 EC @ 60 ml. a.i/ ha (625 ml formulation) at 15-20 days +ethoxisulphuron 15 g/ha. a.i (100 ml/ha formulation) or Chlorimura+Metsulfuron 20% @ 4 gms ai/ ha.(20 gram formulation)</li> <li>For broad leaves and narrow leaves both weed Bispyribac sodium 10% @ 20-25 a.i/ha. (200-250 gm formulation) or pinoxsulam 24% 22.5 gram a.i/ha.(93gram/ha.formulation)</li> <li>80:60:40 N: P: K full dose of P &amp; K and ½ dose of N should be applied basal remaining N should be top dressed at tillering and PI</li> </ul>	<ul style="list-style-type: none"> <li>Farm pond for waterstorage/irrigation.</li> <li>Trenches should be dug out on the lower side of field for in situ moisture conservation</li> </ul>
	Upland & Midland	Maize ( Local )	Maize improved variety like : JM-216 (80-85 ays),	<ul style="list-style-type: none"> <li>Line sowing, recommended dose of fertilizers &amp; weed management.</li> <li>□ Manual earthing up at 25-30 DAS</li> <li>Do hand weeding at 20-25 days after sowing.</li> <li>To avoid biasi operation following herbicide will be used</li> <li>Fenoxaprep-p-ethyl 9 EC @ 60 ml. a.i/ ha (625 ml formulation) at 15-20 days +ethoxisulphuron 15 g/ha. a.i (100 ml/ha formulation) or Chlorimura+Metsulfuron 20% @ 4 gms ai/ ha.(20 gram formulation)</li> <li>For broad leaves and narrow leaves both weed Bispyribac sodium 10% @ 20-25 a.i/ha. (200-250 gm formulation) or pinoxsulam 24% 22.5 gram</li> </ul>	<ul style="list-style-type: none"> <li>One life saving Irrigation</li> </ul>

				<ul style="list-style-type: none"> <li>a.i/ha.(93gram/ha.formulation) <ul style="list-style-type: none"> <li>□ 80:50:30 N: P: K kg/ha.50% N basal and 50% N astop dressing at knee high &amp; silking stage</li> </ul> </li> </ul>	
				<ul style="list-style-type: none"> <li></li> </ul>	
<b>Early season drought(delayed onset)</b>					
Delay by 4 weeks (Specify month) 2nd week of June	Midland (mal)	Rice	Rice-Lehi system Line sowing method Poornima(105 days), Karma Mahsuri(125 days), Samleshwari 112days),	<ul style="list-style-type: none"> <li>Do hand weeding at 20-25 days after sowing.</li> <li>To avoid biasi operation following herbicide will be used</li> <li>Fenoxaprep-p-ethyl 9 EC @ 60 ml. a.i/ ha (625 ml formulation) at 15-20 days +ethoxisulphuron 15 g/ha. a.i (100 ml/ha formulation) or Chlorimura+Metsulfuron 20% @ 4 gms ai/ ha.(20 gram formulation)</li> <li>For broad leaves and narrow leaves both weed Bispyribac sodium 10% @ 20-25 a.i/ha. (200-250 gm formulation) or pinoxsulam 24% 22.5 gram a.i/ha.(93gram/ha.formulation)</li> <li>60:40:30 N: P: K full dose of P &amp; K and ½ dose of N should be applied basal remaining N should be top dressed at tillering and PI stage.</li> <li>Weeding by implement(Hand Hoe)</li> </ul>	<ul style="list-style-type: none"> <li>Percolation tank should be excavated on the upper corner for recharge/ life saving irrigation.</li> <li>Trenches should be dug out on the upper side and lower side of field for in situ moisture conservation.</li> </ul>
	Lowland	Rice	Rice - Lehi system Line sowing method Bamlesh-wari (140 days) Swarna(145 days),	<ul style="list-style-type: none"> <li>Do hand weeding at 20-25 days after sowing.</li> <li>To avoid biasi operation following herbicide will be used</li> <li>Fenoxaprep-p-ethyl 9 EC @ 60 ml. a.i/ ha (625 ml formulation) at 15-20 days +ethoxisulphuron 15 g/ha. a.i (100 ml/ha formulation) or Chlorimura+Metsulfuron 20% @ 4 gms ai/ ha.(20 gram formulation)</li> <li>For broad leaves and narrow leaves both weed Bispyribac sodium 10% @ 20-25</li> </ul>	<ul style="list-style-type: none"> <li>Farm pond for waterstorage/irrigation.</li> <li>Trenches should be dug out on the <ul style="list-style-type: none"> <li>□ lower side of field for in situ moisture conservation</li> </ul> </li> </ul>

				<p>a.i/ha. (200-250 gm formulation) or pinoxulam 24% 22.5 gram a.i/ha.(93gram/ha.formulation)</p> <ul style="list-style-type: none"> <li>• 80:60:40 N: P: K full dose of P &amp; K and ½ dose of N should be applied basal remaining N should be top dressed at tillering and PI stage.</li> <li>• Weeding by implement Ambika Paddy Weeder &amp; Cono Weeder )</li> </ul>	
	Upland & Midland	Maize ( Local )	Maize improved variety like : JM-216 (80-85 ays),	<ul style="list-style-type: none"> <li>• Line sowing, recommended dose of fertilizers &amp; weed management.</li> <li>• Manual earthing up at 25-30 DAS</li> <li>• Do hand weeding at 20-25 days after sowing.</li> <li>• To avoid biasi operation following herbicide will be used</li> <li>• Fenoxaprep-p-ethyl 9 EC @ 60 ml. a.i/ ha (625 ml formulation) at 15-20 days +ethoxisulphuron 15 g/ha. a.i (100 ml/ha formulation) or Chlorimura+Metsulfuron 20% @ 4 gms ai/ ha.(20 gram formulation)</li> <li>• For broad leaves and narrow leaves both weed Bispyribac sodium 10% @ 20-25 a.i/ha. (200-250 gm formulation) or pinoxulam 24% 22.5 gram a.i/ha.(93gram/ha.formulation)</li> <li>• 80:50:30 N: P: K kg/ha.50% N basal and 50% N astop dressing at knee high &amp; silking stage</li> </ul>	<ul style="list-style-type: none"> <li>• One life saving Irrigation</li> </ul>
				<ul style="list-style-type: none"> <li>•</li> </ul>	
<b>Early season drought(delayed onset)</b>					
Delay by 4 weeks (Specify month) 2nd week of	Midland (mal)	Rice	Rice-Lehi system Line sowing method Poornima(105 days), Karma Mahsuri(125 days), Samleshwari 112days),	<ul style="list-style-type: none"> <li>• Do hand weeding at 20-25 days after sowing.</li> <li>• To avoid biasi operation following herbicide will be used</li> <li>• Fenoxaprep-p-ethyl 9 EC @ 60 ml. a.i/ ha (625 ml formulation) at 15-20 days +ethoxisulphuron 15 g/ha. a.i (100 ml/ha formulation) or Chlorimura+Metsulfuron</li> </ul>	<ul style="list-style-type: none"> <li>• Percolation tank should be excavated on the upper corner for recharge/ life saving irrigation.</li> <li>• Trenches should be</li> </ul>

June				<ul style="list-style-type: none"> <li>20% @ 4 gms ai/ ha.(20 gram formulation)</li> <li>For broad leaves and narrow leaves both weed Bispyribac sodium 10% @ 20-25 a.i/ha. (200-250 gm formulation) or pinoxsulam 24% 22.5 gram a.i/ha.(93gram/ha.formulation)</li> <li>60:40:30 N: P: K full dose of P &amp; K and ½ dose of N should be applied basal remaining N should be top dressed at tillering and PI stage.</li> <li>Weeding by implement(Hand Hoe)</li> </ul>	dug out on the upper side and lower side of field for in situ moisture conservation.
	Lowland	Rice	Rice - Lehi system Line sowing method Bamlesh-wari (140 days) Swarna(145 days),	<ul style="list-style-type: none"> <li>Do hand weeding at 20-25 days after sowing.</li> <li>To avoid biasi operation following herbicide will be used</li> <li>Fenoxaprep-p-ethyl 9 EC @ 60 ml. a.i/ ha (625 ml formulation) at 15-20 days +ethoxisulphuron 15 g/ha. a.i (100 ml/ha formulation) or Chlorimura+Metsulfuron 20% @ 4 gms ai/ ha.(20 gram formulation)</li> <li>For broad leaves and narrow leaves both weed Bispyribac sodium 10% @ 20-25 a.i/ha. (200-250 gm formulation) or pinoxsulam 24% 22.5 gram a.i/ha.(93gram/ha.formulation)</li> <li>80:60:40 N: P: K full dose of P &amp; K and ½ dose of N should be applied basal remaining N should be top dressed at tillering and PI stage.</li> <li>Weeding by implement Ambika Paddy Weeder &amp; Cono Weeder )</li> </ul>	<ul style="list-style-type: none"> <li>Farm pond for waterstorage/ irrigation.</li> <li>Trenches should be dug out on the lower side of field for in situ moisture conservation</li> </ul>
	Upland (Maran)	Finger millet –(Local variety)	Finger millet improved varieties like : GPU 28 (120 days), Indira ragi 1 (130 days)	<ul style="list-style-type: none"> <li>Line sowing with recommended dose of fertilizers.</li> <li>One hand weeding at 25- 30 DAS</li> <li>Sowing across the slope</li> <li>Opening of furrow at 10-15 m interval</li> <li>Intercultural operations at 12 DAS and 21 DAS for thinning and removal of weeds</li> </ul>	
		Sesame	Sesame - Early variety RT-54	<ul style="list-style-type: none"> <li>One hand weeding at 25-30 DAS</li> <li>Sowing across the Slope</li> </ul>	

<b>Early season drought (delayed onset)</b>					
Delay by 6 weeks (Specify month) 4th week of July	Lowland	Rice	Blackgram –TAU-2	<ul style="list-style-type: none"> <li>• Sowing across the slope with good drainage</li> <li>• Improved variety, Line sowing with recommended fertilizers &amp; Weed management.</li> </ul>	
	Upland	Little millet Local Variety Broad casting with out fertilizers	Little millet – improved variety like : JK-8(60-70 days)	<ul style="list-style-type: none"> <li>• Spraying of Isoproturon @ 0.5kgai /ha Pre emergence</li> <li>• Hand weeding 30 DAS Thinning at 15 days after germination</li> <li>• 40:20:10 N: P: K Kg/ha.</li> <li>• For line sowing one part seed &amp; 20 part sand/FYM mixes with properly.</li> <li>• Two inter-cultural operations at 15-20 DAS</li> <li>• Summer ploughing</li> <li>• Use of FYM 1 tonne/ha after every three years</li> </ul>	
<b>Early season drought(delayed onset)</b>					
Delay by 8 weeks (Specify month) 2nd week of August	Upland and midland	Niger	Niger -Improved variety JNS-6 (90-100 days)	<ul style="list-style-type: none"> <li>• Summer ploughing</li> <li>• 20:20:10 N:P:K kg/ha</li> <li>• One hand weeding at 15-20 DAS</li> <li>• Pendimethelin/Alachlor@1.5kg ai/ha mix with 500 lit water Intercultural operations at 12 DAS and 21 DAS for thinning</li> </ul>	
		Horsegram Local varieties used	Horsegram: Indira kulthi 1(80 days),	<ul style="list-style-type: none"> <li>• Sowing across the slope</li> <li>• Two inter culture operations at 20 and 40 DAS</li> <li>• Life saving irrigation</li> <li>• Summer ploughing</li> <li>• 20:40:20 NPK kg/ha full dose at the time of sowing</li> </ul>	

				<ul style="list-style-type: none"><li>• 15-20 DAS , 1-2 hand weeding</li><li>• Thiram @ 3 gm/kg seed,PSB culture @ 5 g/kg seed.</li><li>• Rhizobium culture 5g/kg seed</li><li>• Line sowing of horse gram should be followed.</li></ul>	
--	--	--	--	--	--