



NAVSARI AGRICULTURAL UNIVERSITY

Online video conference Meeting

16th Meeting of Combined Joint AGRESCO of SAUs

**CROP PRODUCTION/
NATURAL RESOURCE MANAGEMENT**

May 27-28, 2020

Organised by

**Navsari Agricultural University
Navsari**

**16th Combined Joint AGRESCO of SAUs
(May 27-28, 2020)**

Date: 27 & 28-05-2020

Time: 09.00 hrs

Venue: IT cell conference hall, NAU, Navsari

Inauguration: 09.00 to 9.10 hrs	
• Welcome address	: Dr. S. R. Chaudhary, Hon. Vice Chancellor, NAU, Navsari
• Address by chairman	: Dr. B. K. Sagarka, DEE, JAU, Junagadh
Technical Session (New Technical Program)	
Chairman	: Dr. B. K. Sagarka, DEE, JAU, Junagadh
Co-chairman	: Dr. V. P. Ramani, ADR, AAU
	Dr. M. K. Arvadia, Principal, NMCA, NAU
Rapporteurs	: Dr. J. D. Thanki, Convener and Professor & Head (Agron.), NAU
	Dr. R. M. Solanki, Assoc. Professor (Agron.), JAU
Statistician	: Dr. P. R. Vaishnav, Prof. & Head, Dept. of Agril. Statistics, AAU

NEW TECHNICAL PROGRAMME

AAU Speaker : Dr. N.J. Jadav Date & Time: 27/05/2020, 9:15 to 12:30	
1	Evaluation of low cost natural farming in maize + soybean - wheat + chickpea cropping system
2	Effect of nano NP fertilizer on growth, yield and quality of summer fodder maize
3	Effect of nano zinc fertilizer on growth, yield and quality of oat var. Kent
4	Parameterization and evaluation of Weather Research and Forecasting (WRF) modelling system for Anand region
5	Moisture stress detection in <i>rabi</i> sunflower (<i>Helianthus annuus</i> L.) based on canopy-air temperature differential measurements
6	Effect of spacing and fertilizer on yield and quality of summer groundnut variety GG 34
7	Effect of nitrogen levels on yield and quality of bidi tobacco varieties under middle Gujarat conditions
8	Weed management in onion nursery
9	Weed management in onion
10	Screening of wheat genotypes/varieties for iron (Fe) efficiency
11	Screening of wheat genotypes/varieties for manganese (Mn) efficiency
12	Effect of time of sowing and irrigation scheduling at critical growth stages on summer groundnut
13	Effect of time of sowing and spacing on semi <i>rabi</i> black gram
14	Evaluation of soybean based cropping system in middle Gujarat condition (Tribal area of Chhotaudepur district)
15	Performance of <i>rabi</i> sweet corn variety madhuram under different levels of nitrogen, phosphorus and potash applied through drip system
16	Effect of sowing time and variety on growth and yield of chickpea
17	Response of castor (GCH 10) to spacing and nitrogen under irrigated condition
18	Effect of spacing and nitrogen levels on yield of <i>desi</i> cotton variety Wagad Gaurav under rainfed condition
19	Evaluation of nutrient management modules in pearl millet + blackgram - wheat + chickpea intercropping system
20	Evaluation of nutrient management modules in maize + soybean - wheat + chickpea intercropping systems
21	Evaluation of nutrient management modules in cotton + pigeon pea intercropping system

JAU Speaker: Dr. S.G. Savalia	
1	Evaluation of low cost natural farming in wheat + chickpea intercropping system
2	Evaluation of low cost natural farming in groundnut + pigeonpea intercropping system
3	Evaluation of <i>Amrut Mati</i> in summer groundnut
4	Dynamics of weed flora in major <i>rabi</i> crops
5	Dynamics of weed flora in major <i>kharif</i> crops
LUNCH BREAK	
Date & Time: 27/05/2020, 14:00 to 17:00	
6	Calibration and validation of CERES model (DSSAT 4.6) for different cultivars of wheat under different sowing times
7	Effect of low cost natural farming practices on summer groundnut
8	Identifying suitable crop geometry and nutrient dose for spanish bunch <i>kharif</i> groundnut
9	Response of drip irrigated castor to plant geometry and nitrogen fertigation
10	Response of cotton to moisture conservation practices under rainfed condition
11	Response of groundnut to moisture conservation practices under rainfed condition
12	Effect of customized fertilizer (CFG) on scaling up productivity and profitability of chickpea based cropping systems
13	Enhancing production potential of pigeonpea through foliar nutrition
14	Agronomic bio-fortification of pearl millet cultivars through zinc fertilizer
15	Effect of crop geometry and irrigation scheduling based on soil moisture sensor and ETC in sugarcane
16	Integrated weed management in autumn planted sugarcane
17	<i>In situ</i> moisture conservation in rainfed sesame for higher resource use efficiency, productivity and profitability
18	Evaluation of pre and post emergence herbicide for chemical weed management in sesame
19	Effect of mulch and herbicides on weed management in sesame
20	Efficacy of different doses of pendimethalin on promising sesame genotypes
21	Standardization of geometry for <i>Bt</i> varieties of cotton
22	Effect of bio stimulant on growth and development of cotton
23	Effect of different levels of NPK and time of application on cucumber yield under protected condition
24	Effect of fresh cow dung on yield, quality and uptake of nutrients in groundnut
25	Periodical evaluation of soil fertility status of Saurashtra region
26	Effect of fresh cow dung on yield and yield attributes of garlic
27	Relative salinity tolerance of different cowpea varieties
28	Effect of saline irrigation water on pearl millet
NAU Speaker: Dr. J.D. Thanki Date & Time: 28/05/2020, 9:00 to 12:30	
1	Effect of irrigation and fertigation levels on ridge gourd under South Gujarat
2	Effect of different forms of gypsum on drip irrigated sugarcane
3	Effect of sub surface fertigation on fruit yield and quality of mango
4	Effect of zinc application in drip irrigated mango orchard
5	Survey of nutrient status of mango orchard in Valsad, Navsari and Tapi districts of South Gujarat
6	Developing suitable package of practices for wet DSR
7	Evaluation of low cost natural farming in rice under south Gujarat condition
8	Effect of irrigation and fertilizer levels on marvel grass under coastal salt affected soils
9	Effect of different forms of gypsum and wheat crop residue incorporation on rice-wheat cropping system in coastal salt affected soil
10	Assessment of planting geometry for single eye budded settling on sugarcane under south Gujarat condition
11	Effect of nutrient management on sugarcane planted through single eye budded settling under south Gujarat condition

12	Evaluation of low cost natural farming in sugarcane under south Gujarat condition
13	Evaluation of ground water suitability for irrigation in Jalalpore taluka of Navsari district
14	Effect of soil and foliar application of multi-micronutrients on yield and quality of mango cv. Kesar
15	Integrated weed management in cotton
16	Evaluation of low cost natural farming in sorghum under south Gujarat condition
17	Spacing and fertilizer requirement of <i>kharif</i> grain sorghum
18	Studies on foliar spray of zinc on normal and late sown <i>rabi</i> castor
19	Response of pigeonpea to irrigation at different stages
20	Integrated nutrient management in <i>kharif</i> fodder sorghum under south Gujarat condition
21	Production potential of sole <i>rabi</i> sorghum as well as different legumes and <i>rabi</i> sorghum - legume competitive ability through additive series in inter cropping under south Gujarat condition
22	Study of critical crop-weed competition in summer pearl millet (<i>Pennisetum glaucum</i> L.)
23	Response of marvel grass (<i>Dichanthium annulatum</i>) to nitrogen and phosphorus
24	To assess the impact of climate change on chickpea using CROPGRO model
25	Effect of spacing and fertilizer levels on <i>rabi</i> sweet corn (<i>Zea mays</i> L. var. <i>saccharata</i> Sturt)
26	Response of Dill seed to sulphur, FYM and biofertilizers under south Gujarat condition
27	Bio-chemical changes in leafy vegetables grown on contaminated and uncontaminated soils
LUNCH BREAK	
SDAU Speaker: Dr. J.S. Jat Date & Time: 27/05/2020, 14:00 to 16:45	
1	Identification of cropping systems module for different farming systems
2	Evaluation and validation of natural farming practices in different agro- ecologies
3	Productivity enhancement in dryland through Integrated Farming System
4	Production potential of vegetable cowpea under organic farming
5	Fertigation scheduling for sprinkler irrigated potato
6	Integrated crop management in chickpea
7	Inter cropping of gram in cumin
8	Effect of split application of nitrogen on growth, yield and quality of <i>Rabi fennel</i>
9	Effect of Sea weed on yield and quality of wheat
10	Response of wheat (<i>Triticum aestivum</i> L.) varieties to different dates of sowing
11	Effect of phosphorus and potash on yield and quality of <i>rustica</i> tobacco
12	Effect of methods of biofertilizer application on fertilizer requirements of gram
13	Response of fenugreek to different levels of fertilizer under various cutting management
14	Management of Orobanche in cumin
15	Effect of different plant growth regulators on growth and yield of <i>kharif</i> groundnut Cv. GJG 22
16	Effect of spacing and row ratio on seed production of castor (var. GCH 8)
17	Integrated nutrient management in <i>rabi</i> forage maize
18	Effect of nitrogen levels on productivity and quality of fodder oat varieties
19	Effect of bio enhancer on yield and quality of <i>kharif</i> pearl millet
20	Scheduling of sprinkler irrigation for wheat by using saline water
21	Feasibility of Isabgol based intercropping systems
22	Response of wheat to different levels of fertilizer and liquid organic manures
23	Integrated nutrient management in <i>rabi</i> Maize
24	Effect of inorganic fertilizers and bio enhancers on chickpea
25	Integrated nitrogen management in barley under saline soil
26	Evaluation of low cost natural farming in wheat + chickpea cropping system
Plenary Session	
Concluding remarks by Chairman	