



**Online video conference Meeting**

# **16<sup>th</sup>** **Meeting of Combined Joint AGRESCO of SAUs**

## **RECOMMENDATIONS**

### **CROP PRODUCTION/ NATURAL RESOURCE MANAGEMENT**

June 19-20, 2020

**Organised by**

**Navsari Agricultural University  
Navsari**

**16<sup>th</sup> Combined Joint AGRESCO of SAUs  
(June 19-20, 2020)**

**Date:** 19 & 20-06-2020

**Time:** 09.00 hrs

**Venue:** IT cell conference hall, NAU, Navsari

<b>Inauguration: 09.00 to 9.10 hrs</b>		
•	<b>Welcome address</b>	: Dr. S. R. Chaudhary, Hon. Vice Chancellor, NAU, Navsari
•	<b>Address by chairman</b>	: Dr. B. K. Sagarka, DEE, JAU, Junagadh
<b>TECHNICAL SESSION : RECOMMENDATIONS</b>		
<b>Chairman</b>	:	Dr. B. K. Sagarka, DEE, JAU, Junagadh
<b>Co-chairman</b>	:	Dr. V. P. Ramani, ADR, AAU
		Dr. M. K. Arvadia, Principal, NMCA, NAU
<b>Rapporteurs</b>	:	Dr. R. B. Ardeshta, Assoc. Professor, NAU
		Dr. R. M. Solanki, Assoc. Professor, JAU
		Dr. V. J. Patel, Assoc. Professor, AAU
		Dr. D. M. Patel, Assoc. Professor, SDAU
<b>Statistician</b>	:	Dr. D. J. Parmar, Assoc. Professor, AAU

**RECOMMENDATIONS**

	<b>AAU</b>	<b>Speaker : Dr. N.J. Jadav</b>	<b>Date &amp; Time: 19/06/2020, 9:15 to 12:30</b>
1	Evaluation of nutrient composition of bacterial biodegraded crop residues		
2	Integrated weed management in summer groundnut ( <i>Arachis hypogaea</i> L.)		
3	Effect of different date of transplanting and spacing on herbage yield and quality of Basil ( <i>Ocimum basilicum</i> L.)		
4	Efficacy testing of native Rhizobium isolates in summer groundnut ( <i>Arachis hypogaea</i> )		
5	Nutrient management through organic sources in summer green gram ( <i>Vigna radiata</i> L.) var. GAM 5		
6	Nutrient management through organic source in summer green gram ( <i>Vigna Radiata</i> L.)		
7	Nutrient management through organic source in grain Amaranthus ( <i>Amarathus hypochondriacus</i> L.) under middle Gujarat conditions		
8	Integrated weed management in blackgram ( <i>Vigna mungo</i> L.)		
9	Nitrogen management in early rice varieties of middle Gujarat		
10	Response of new castor variety to different sowing time and spacing in late kharif under irrigated condition		
	<b>JAU</b>	<b>Speaker: Dr. S.G. Savalia</b>	
	<b>Recommendations for farmers</b>		
	<b>Agronomy</b>		
1	Evaluation of some cow-based bio-enhancers and botanicals for organic cultivation of summer groundnut		
2	Integrated weed management in soybean		
3	Response of <i>rabi</i> onion ( <i>Allium cepa</i> L.) to levels and application schedule of soluble fertilizers under drip irrigation		
4	Evaluation of different <i>kharif</i> groundnut varieties under organic farming		
	<b>LUNCH BREAK</b>		
	<b>Date &amp; Time: 19/06/2020, 14:00 to 17:00</b>		
5	Influence of plant geometry and fertilizer levels on the productivity of semi- spreading groundnut		
6	Application of bio-formulations in <i>kharif</i> groundnut production		
7	Nutrient and pest management in Pigeonpea		
8	Effect of mulching and hydrogel on the productivity of pearl millet in rainfed condition		

9	Screening of sesame varieties/germplasm lines for yield performance under organic condition in summer season
	<b>Soil Science</b>
10	Effect of multi-micronutrient formulations on papaya
11	Effect of nano boron on yield and nutrients uptake by <i>kharif</i> groundnut
12	Effect of N, P and K levels on growth, yield and nutrients uptake by coriander
	<b>Scientific information</b>
	<b>Agronomy</b>
1	Response of pearl millet to biofertilizers
2	Screening of sesame varieties/germplasm lines for yield performance under organic condition in summer season
3	Management of chickpea crop under organic farming
	<b>Soil science</b>
4	Response of groundnut to phosphorus under rainfed condition
5	Establishment of critical limit of zinc for pigeonpea crop in medium black calcareous soils
6	Relative salinity tolerance of different pigeonpea varieties
	<b>NAU Speaker: Dr. J.D. Thanki Date &amp; Time: 20/06/2020, 9:00 to 12:30</b>
	<b>Recommendations for farmers</b>
1	Study on drip system layout for different row spacing in vegetable Indian bean- sweet corn cropping sequence
2	Effect of different levels of irrigation and fertigation on <i>rabi</i> sorghum-vegetable cowpea cropping sequence
3	Nutrient management in Indian bean (var. GNIB 21) and its ratoon crop sequence
4	Response of <i>rabi</i> castor to row spacings under different sowing window with or without intercrop of Indian bean (var. GNIB-21)
5	Canopy management through mapiquat chloride under high density planting system of cotton (G. Cot 16) in irrigated conditions
6	Soil test based recommendation for targeted yield of cotton
7	Weed management in <i>kharif</i> grain sorghum
8	Response of summer sesame to nutrient management and irrigation scheduling
9	Effect of levels of nitrogen phosphorus and sulphur application on growth, yield and quality of linseed ( <i>Linum usitatissimum</i> L.) under south Gujarat condition
10	Integrated weed management in <i>rabi</i> maize
11	Integrated weed management in fodder oat
12	Production potential of fodder maize ( <i>Zea mays</i> L.) with different fodder intercrops
13	Evaluation of different phosphorus management practices in <i>rabi</i> sorghum-summer green gram cropping sequence under south Gujarat condition
14	Effect of natural organic liquid on growth, yield and quality of green gram ( <i>Vigna radiate</i> L.) under organic farming
15	Response of little millet (Vari) to organics
16	Nutrient management in Dill Seed under south Gujarat condition
17	Evaluation of castor based relay cropping sequences under rainfed condition of South Gujarat
18	Response of sugarcane to tillage and different intercropping system under south Gujarat condition
19	Weed control in tomato ( <i>Lycopersicon esculentum</i> Mill.) through mulching and herbicides under drip irrigation conditions
	<b>Scientific information</b>
20	Weed management in <i>kharif</i> grain sorghum
21	Integrated weed management in fodder oat
	<b>LUNCH BREAK</b>
	<b>SDAU Speaker: Dr. J.S. Jat Date &amp; Time: 20/06/2020, 14:00 to 16:45</b>
	<b>Recommendations for farmers</b>
1	Diversification of cropping system as component of small holder farming systems
2	Nitrogen management in wheat through neem coated urea
3	Effect of spacing and nitrogen requirement on productivity of castor (GCH 7)
4	Fertilizer management for castor

5	Effect of nutrient management practices and foliar nutrition for sustainable production of field pea
6	Herbicidal weed management in urdbean and its carry over effect on succeeding <i>rabi</i> crops
7	Evaluation of cow-based different bio-enhancers in greengram
8	Effect of integrated weed management practices on fenugreek and their residual effect on green gram
9	Integrated weed management practices on coriander and their residual effect on green gram
10	Influence of <i>kharif</i> fennel to sowing technique and crop geometry under varying levels of nitrogen
11	Efficient water management in wheat using micro-irrigation
12	Nitrogen and potash requirement of irrigated wheat under sandy loam soil in AES I
13	Efficacy of pre-emergence herbicides in <i>rustica</i> tobacco
14	Effect of crop geometry on yield of Bt. Cotton under salt affected soils
15	Effect of biofertilizers on yield of wheat under salt affected soils
	<b>Scientific information</b>
1	Herbicidal weed management in urdbean and its carry over effect on succeeding <i>rabi</i> crops
2	Integrated weed management practices on coriander and their residual effect on green gram
3	Effect of integrated weed management practices on fenugreek and their residual effect on green gram
4	Efficacy of pre-emergence herbicides in <i>rustica</i> tobacco
	<b>Plenary Session</b>
	<b>Concluding remarks by Chairman</b>