






## NEW RESEARCH PROJECTS

- ✓ Department of Horticulture and Coconut Board, Government of Gujarat, has sanctioned a new project entitled "Establishment of Bio-control laboratory" at Department of Entomology, JAU, Junagadh under Horticulture Mission for 3 years, 2008-09 to 2010-11. The objectives of the project are to survey the natural enemies of key pests of major crops, multiplication of bio-agents, entomopathogens of key pests, prominent predators and standardization of releasing methods for the potential bio-agents and conservation of the natural enemies with a total project cost of Rs. 92.52 lakh.
- ✓ Indian Council of Agriculture Research (ICAR) has sanctioned a new research project entitled "Microbial pesticide production Unit" at Department of Entomology, JAU, Junagadh with an objective of imparting training to the under graduate and post graduate students as a part of course curriculum. The total cost of the project is Rs. 62.00 lakh.

## Number of Recommendations during 2007-08

No.	Name of the sub - committee	Number
i	Natural Resource Management	21
ii	Horticulture & Agro Forestry	03
iii	Plant Protection	12
iv	Basic Science	01
v	Animal Science & Fisheries	01
vi	Agricultural Engineering	04

## Release of New Varieties by JAU, Junagadh

Sr. No	Crop	Variety	Major Characteristics	Photographs
1	Groundnut	GJG-HPS-1 for Rainfed areas of Saurashtra and South Gujarat	The variety GJG-HPS-1 recorded an over all yield (2125 kg/ha) increase of 38.0, 28.3 and 36.8 % over the check varieties, BAU-13, M-335 and ICGV-86564, respectively.	
2	Pearl millet	GHB-719 National	The hybrid showed synchronous tillering, medium grain size and attractive seed colour besides earliness and short duration variety recorded 38.0 % and 6 % yield (2350 kg/ha) increase over early checks, Pusa-23 and hybrid GHB-538 respectively. Highly resistant to downy mildew and tolerance to other diseases.	
		GHB-744 National	Possesses appealing earhead with attractive seed colour, a medium duration for kharif season gave 17, 51 and 10 % higher yield (2900 kg/ha) over GHB-577, MH-169 and PB-106, respectively.	
		GHB-732 National	Resistant to downy mildew, lodging and good quality of stover with preferred seed colour. Late maturing variety for kharif season gave 12, 51 and 34 % higher yield (3000 kg/ha) than GHB-558, MH-169 and PB-106 respectively.	
3	Chickpea	Gujarat Gram-3 (GG-3)	Released for the Bhal area of Saurashtra and adjoining region for rainfed condition. It has given 12.18, 9.85 and 8.56 % higher yield (1483 kg/ha) than Chaffa, GG-1 and GG-2, respectively. Moderately resistant to wilt and stunt disease. It has got attractive seed colour (yellow), large seed size, early maturity and consumer and farmers preference.	
4	Tomato	Junagadh Tomato-3 (Saurashtra Region)	Fruits are medium in size, flat round in shape with attractive red colour, thick skin and 4 to 5 locules with high T.S.S. Released for the Saurashtra region. It gave 22.52 % higher yield (38460 kg/ha) over Gujarat Tomato-2.	