

Research Recommendations

1. **Agricultural Residues Shredder** has been developed by the Department of Farm Machinery & Power which is operated with 6 hp diesel engine shreds plant stalks of castor, cotton and pigeon pea. The capacity is about 170 to 190 kg/hr, making pieces of 10 to 75 mm length. The volume of



shredded material reduces by about 80 percent. Thus, the value addition of about 50 to 80 percent can be made in the use of agricultural residues. The machine is recommended for the use of farmers, manufacturers and industries.

2. The Agricultural Research Station (Fruit), Mahuva is involved in developing improved varieties of fruit crops. Recently the centre has developed the Hybrid Coconut varity T x D (Mahuva) with more desirable characters like early and heavy bearing, higher yield, greater nut size and kernel weight than the earlier varieties viz. West Coast Tall and Dwarf Green. It can be the replacement of the West Coast Tall and Dwarf Green coconut varieties and alternative to existing Hybrid D x T (Mahuva).



Demonstration : The demonstration trials were conducted on farmers' field during 2002-2006. It was observed that for effective management of root-knot nematodes (*M. arenaria*) in groundnut



crop the application of carbofuran @ 2 kg a.i. / ha with castor cake @ 1000 kg/ha prior to seeding i.e. before 2-3 days was found to be very effective.

Students' Activities

ISports

Inter collegiate competition of Kho-Kho, Weight-lifting, Kabaddi, Cricket, Basketball and Chess were successfully organised during the quarter. The university also sent six students to participate in "Cultural Composition" at Indian Institute of Technology(IIT), Kanpur (U.P).



II N.S.S. activities

1. Environment awareness camp.

One-day camp on the "Environment Awareness" was organized on Nov.18, 2006 at JAU, Junagadh. In this camp 47 volunteers of NSS, College of Agriculture participated and also took part in the group discussion on creating eco-friendly globe.

2. Blood group and Thelesemiya test

Thelesemiya major (minor level) test camps were organized by College of Agriculture



and College of Agricultural Engineering and Technology in collaboration with Sarvodaya Blood Bank in which 167 volunteers participated.

3. **Driving License Camp :** The CAET organized driving license camp on December 2,2006 in which 300 employees and students availed the test for getting license.

4. **HIV/AIDS Awareness Rally** marched on the path of Veraval city and drama on HIV/AIDS awareness played by the NSS volunteers of the College of Fisheries.

Cultural program comprising traditional Garba and thematic and entertainment items were displayed in a cultural program by the students of Agricultural Engineering & Technology on the eve of ISAE convention.

Events



Dr. Nawab Ali, DDG (Engg), ICAR, New Delhi, Dr. O. D. Vanzari, Project Coordinator, AICRP on Applications of Plastics in Agriculture and Dr. B.K. Kikani, Vice Chancellor alongwith University officers visited Green Houses of CAET, JAU, Junagadh.



Center of Communication Network in villages : Effective communication is the root of transformation of society. Agril. Experts are sharing the knowledge of modern farming amongst farmers at their villages.



Dr. Savitadidi, Brahmakumari Ishvariya Vishva Vidyalaya, Mt. Abu teaches how to be stress-free by Rajyoga to the scientists of JAU.

Dr. Savitadidi, asked to inculcate "3A" for better health i.e. avoid, alter and accept. She also advised to guard the self against Criticism, Comparison and Competition. The performance of individual is the result of the total behavior which emerges formed from the feelings and thinking.



Seminar on *Gauraksha* organized by KVK , Targhadia and Vashundhara Trust, Rajkot on Nov. 4, 2006. Dr. Vallabhkhai Kathiria, MP, Rajkot; Dr. M. H. Mehta, Ex VC, GAU, Shri Kuvarjibhai Jadav participated and indicated the importance of cow in modern age.



Free medical check up camp for JAU employees was organized by JAU Teachers' Association on Mar. 25, 2007 at JAU campus. Different tests and check- up of body organs like heart, lungs, blood etc were carried out by medical experts under the supervision of Dr. Dharmendra Mavani.