

Inauguration of Branch Office of PPV & FRA at Pune



May 20, 2017. The Branch Office of Protection of Plant Varieties and Farmers Rights Authority, New Delhi (PPV & FRA) was inaugurated at College of Agriculture, Pune at the auspicious hands of Mr. S. K. Pattanayak, Secretary, Ministry of Agriculture and Farmers Welfare, GOI, New Delhi. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. Ram Kharche, Vice President, MCAER, Pune, Dr. R. R. Hanchinal, Chair person, PPV & FRA, Dr. Ravi Prakash Dani, Vice Chancellor, Dr. PDKV, Akola, Dr. R. C. Agrawal, Registrar General, PPV & FRA, Dr. Ravi Prakash, Registrar, PPV & FRA, Directors and officers were present on this occasion. In his chief guest address Mr. S. K. Pattanayak expressed satisfaction for opening the branch office of PPV & FRA at Pune so that farmers in this zone can register their varieties. He said that India is bestowed with natural flora and fauna in addition to its diversity. Hence, this step would serve as a good platform for the farmers. In his presidential address, Vice Chancellor Dr. Viswanatha thanked the authority for opening branch office in Pune. He informed about the activities being taken by the university for increasing awareness among farmers about the process of registering their plant material. This will facilitate the registration of good varietal material of the farmers, he said. Dr. Ram Kharche, Dr. R. R. Hanchinal and Dr. Dani also addressed during the function. A Biodiversity Exhibition was organized to commemorate the event. Dr. R. S. Patil, Director of Research thanked the dignitaries. Dr. V. R. Shelar anchored the programme.

Vice Chancellor inaugurates training programme

May 22, 2017. Vice Chancellor Dr. K. P. Viswanatha inaugurated the training programme organized under the *Unnat Sheti Samrudhha Shetkari Abhiyan* in co-ordination with RAMETI, Pune. He called for doubling the farmers income in accordance with the objectives of Govt. of India. Plant population need to be maintained adequately especially in dry land areas for achieving good crop yield, he said. Further, timely weeding and interculturing are important. The genetic potential yield



of the crop varieties need to be harnessed, he opined. Dr. K. D. Kokate, Director, Extension Education in his guidance emphasized to concentrate on vital components of crop demonstrations. Soil testing is a must before taking any crop, he said. Dr. R. S. Patil, Director of Research stressed the need for reducing yield gaps by adopting university technologies. Farmers need to adopt the yield targeted equations developed by the university for higher crop yields, he said. Shri. Pandit Lonare, DSAO gave the introductory remarks. Dr. P. B. Kharde welcomed the dignitaries and participant trainees. Dr. G. K. Waman anchored the programme, while, Shri. Kailas Ghumatkar of RAMETI expressed thanks. More than 500 officers of Department of Agriculture were trained by the university experts during the month long training programmes organized under the *Unnat Sheti Samrudhha Shetkari Abhiyan*.

Plastic waste road inaugurated



May 21, 2017. Dr. Ashok Dalwai, Additional Secretary, Ministry of Agriculture and Farmers Welfare, GOI, New Delhi inaugurated the plastic waste road prepared in the university campus. Vice Chancellor Dr. K. P. Viswanatha, Shri. Ramdas Kokre, Chief Officer, Municipal Corporation, Vengurla, Directors Dr. K. D. Kokate, Dr. R. S. Patil, University Engineer Shri. Milind Dhoke were present on this occasion. Dr. Dalwai appreciated the efforts of the university and particularly the initiative of Vice Chancellor Dr. Viswanatha. Recycling of plastic waste for road making is an innovative effort and will help to curb the cost on road preparation, he said. He hoped that this will be a role model for others. Vice Chancellor Dr. K. P. Viswanatha briefed about the initiatives taken by the university under *Swachha Bharat Abhiyan*. He said that about 1.5 ton of plastics have been collected and it will be grinded through plastic grinder for making roads in the campus. Shri. Dhoke elaborated the process of plastic waste recycling. Small pieces of plastic are made and put in 160 ° C temperature in hot mix plant. Ten percent of this is utilized in tar for road making. This will increase the life of roads by five years since there will be no accumulation of water, he said. Dr. Dalwai also visited the various research projects of the university.

Soil Testing Seminar of ZEE 24 TAAS organized

May 25, 2017. A seminar on Soil Testing was organized in the university in coordination with the ZEE 24 TAAS private media channel. The seminar was inaugurated by Vice Chancellor Dr. K. P. Viswanatha and District Collector Shri. Abhay Mahajan. Both of them gave their warm regards for the programme. The university scientists Dr. A. L. Pharande, Head, Department of Soil Science and Agriculture Chemistry, Dr. M. B. Dhonde, Head,



Department of Agronomy, Dr. A. G. Durgude, Soil scientist, Shri. Pandit Lonare, DSAO and Dr. Dattatraya Wane, Progressive farmer replied to the queries of farmers. They guided on soil sample collection, soil testing, yield targeted equations, improvement of saline and alkaline soils, subsurface drainage, integrated nutrient management, Government schemes and shared their experiences. Dr. P. B. Kharde, Officer Incharge, Communication Centre welcomed the dignitaries. Shri. Ajit Chavan of ZEE 24 TAAS anchored the programme. More than 100 farmers participated in the seminar.

New crop varieties and recommendations of MPKV released in Joint AGRESCO 2017

May 29-31, 2017. Eleven new crop varieties, three improved implements and sixty one recommendations of MPKV, Rahuri were released in the Joint AGRESCO 2017 meeting of four SAUs of Maharashtra state organized at Vasanttrao Naik Marathwada Krishi Vidyapeeth, Parbhani.



1. Bajra variety : Phule Mahashakti

- Higher grain yield (3070 kg/ha) over Shraddha, Saburi and Shanti by 74, 41 and 35 percent respectively.
- Rich in iron content (84 ppm iron)
- Suitable grain hybrid for food to anemic children and adults.
- Medium maturity (85-90 days).
- Resistant to Downey mildew.
- Very compact earhead, bold, globular and gray coloured grains.
- Suitable for Bajra growing areas of Maharashtra



2. Rajmah variety : Phule Rajmah

- Average yield 17.07 q/ha which is higher by 22.27% than Varun, 28.53% than Vaghya and 31.81 % than HPR -35
- Potential yield: 20.45q/ha.
- Dough white with pinkish streak attractive seed coat color
- Bold seed (36.50g./100g.seed).
- Protein content- 23.58%
- Carbohydrate content- 63.93%.
- Resistant to *Fusarium* wilt and CBMV
- Moderately resistant to pod borer and white fly.



3. Barnyard millet variety : Phule Barti-1

- Higher grain yield (15.24 qha⁻¹) i.e. 37.91% increase over national check variety VL172.
- High iron (65ppm),calcium (452.5 ppm) and phosphorus (3110 ppm)
- Mature in 95-105 days
- Mid dwarf plant type
- Thick panicle type , long length ,twisted type of finger
- Shiny grey seed colour



4. Sugarcane variety : Phule 10001 (MS10001)

- Higher Cane and CCS yield over ruling varieties
- Early maturity 10-12 months
- Better ratoonability.
- Salinity tolerance.
- Excellent performance under pre-season and suru season.
- Excellent tillering ability.
- Thick cane (Diameter 3.30 cm)
- Leaf sheath spines are absent
- No pith formation.
- Resistant to smut, red rot, wilt and foliar diseases.
- Less susceptible to internode borer, top shoot borer and scale insect.
- Loose clasping and easy de-trashing.



5. Groundnut variety : Phule Bharati (JL-776)

- High yielding spanish bunch genotype
- Resistant to rust, *Spodoptera litura* and moderately resistant late leaf spot disease.
- Maturity 105-110 days
- Oil content 50 %
- 100 kernel weight 35 g
- Shelling outturn 69%
- Sound mature kernel 92%



6. Oat variety : Phule Surbhi

- High green forage yield (452.9 q/ha).
- High dry matter yield (93.5 q/ha).
- High crude protein yield (7.2 q/ha).
- High per day productivity for green forage and dry matter (4.67 q/ha/day and 1.00 q/ha/day respectively).
- It is moderately resistant to leaf blight, resistant to root rot and less susceptible to aphids.



7. Marvel variety : Marvel -09-4

- High green forage yield (441.2 q/ha)
- High dry matter yield (102.0 q/ha)
- High crude protein yield (5.0 q/ha)
- High per day productivity for green forage yield (1.01 q/ha/day)
- Resistant to leaf blight. Sucking pest and defoliant not observed through out the year.



8. Cenchrus (Madras Anjan) variety : RCC-10-6

- High green forage yield (397.7 q/ha)
- High dry matter yield (111.6 q/ha)
- High crude protein yield (7.8 q/ha)
- Higher per day productivity for green forage yield (1.07 q/ha/day)
- High per day productivity for dry matter yield (0.38 q/ha/day)
- Good fodder quality i.e crude protein content (6.8 %), ADF (46.8 %), NDF (61.5 %), IVDMD (52.0%)
- Resistant to leaf blight. Sucking pest and defoliant not observed through out the year.



9. Tomato : Phule Kesari

- Determinate type
- Oblong fruit shape
- Orange fruit colour
- β -carotene content 5.86 mg/ 100g
- Average weight of fruit 83.4 g
- Average yield 57.17t/ha
- Thick pericarp 0.85cm
- Fruits are very stout
- Moderately resistant to viral diseases like leaf curl and spotted wilt



10. Sponge gourd : Phule Komal

- Attractive, shiny green, cylindrical fruits.
- Av. fruit length (26.52 cm)
- Average weight of fruit (112.38 g)
- Number of fruits per vine 29.57
- Yield potential-Kharif Season- 219.06 q/ha, Summer Season- 214.54 q/ha
- Moderately resistant to powdery mildew, downy mildew diseases and pest fruit fly.



11. Custard apple: Phule Janaki

- Trees are spreading in nature with dark green foliage.
- Large fruits size.(Av. Fruit weight 392.71 g)
- Fruit surface is rough with yellowish green colour.
- Fruit shape is oval and areoles are mammal in shape.
- Pulp colour milky white with soft texture
- Less seed content
- Fruits are having better sugar: acid blend.



12. Tractor operated Phule Sugarcane Transplanter

For planting sugarcane seedlings at 120-150 cm x 60 cm, Tractor operated Phule Sugarcane Transplanter is recommended.



13. Power operated Phule Sugarcane sett cutter

For effective cutting of one eyebud sugarcane sett on large scale for sugarcane seedling nursery power operated Phule sugarcane sett cutter is recommended.



Publisher : Dr. K. D. Kokate, Director of Extension Education
Editors : Dr. P. B. Kharde, Officer Incharge, Communication Centre
 Dr. S. S. Sadaphal, J.R.A., Communication Centre
 Dr. B. A. Deshmukh, J.R.A., Directorate of Extension Education
 Prof. D.B. Suryawanshi, Asstt. Prof., Directorate of Extension Education