

Arakarakshak Tomato F1 becomes boon to Tomato growers of District

Tomato is mostly grown on more or less scale on each and every block of the district. It is most important vegetables of the district but since 3 to 4 years tomato growers they received heavy loss from the tomato due to the attack of pest and disease particularly the tomato growing belt of the district mainly include Vasantwadi, Shankar nagar, Chikala, Rohi Pimpalgaon from Mudkhed Tahsil, Talegaon, Balegaon, Nagthana and Beldara of Umri Tahsil, Loha and Nanded Taluka along with Ardhapur. Due to this Severe attack of pest and disease which mainly include white fly, Tomato leaf curl virus, Blight all Tomato cultivation comes in danger. After the interaction of KVK Pokharni scientist and farmers it was decided to replace old one existing hybrids by 'Arkarakshak' i.e. Triple resistant F1 Hybrid of Tomato release by IIHR, Bangalore. Dr. Deshmukh D.A. Scientist (Horticulture) of KVK Pokharni Nanded MS after communication to Dr. A.T. Sadashiva sir Head vegetable division IIHR Bangalore and Dr. P.K. Gupta Joint director NHRDF Nashik. Receive seed of Arkarakshak and Trial had been conducted at village Vasantwadi, Tq. Mudkhed, Dist- Nanded Maharashtra which is popularly known as tomato village. Thus this Trial has been start by rising of seedling in a seedling tray with sterilize Cocopit and then seed of Arkarakshak dibbled in tray and that tray watered with the help of sprinkler. Thus when seedlings become 24 to 26 days old after primary hardening they were planted on raised bed before this proper tillage operation should be followed by deeploughing and Harrowing by adding well rotten FYM along with Trichoderma powder. Thus the seedling of Arkarakshak which are becomes 5-6 week old they were transplanted on the main field at the distance 2.5 x 4.5 feet by laying drip laterals on the bed and mulching over it. The mulching paper is 1.2 meter in width and 3000 meter in length of 30 micron thickness. Land preparation should be done as per the recommendation by VNMKV Parbhani and IIHR Bangalore. At the time of transplanting care should be taken that seedling should not touch to the drip line and mulch paper.

Immediately after transplanting i.e. on 15th March 2016 light irrigation should be given for 20-40 minutes along with water soluble fertilizer and should be continue after 23 weeks. The total duration of Arkarakshak F1 is 26 week. After fertigation 5gm /lit foliar application of micronutrient along with secondary nutrient it should be continued from 45 days at every 15 days interval. When Arkarakshak F1 start bearing fruits for the proper aeration and sunlight and better growth and less attack of pest and disease it should be given supporting with the help of Bamboo sticks and iron wires. Management of pest and disease is done as per the schedule given by IIHR Bangalore. In this way this innovative farmer earn Rs.350000/- from 1 acre cultivation of Arkarakshak under the guidance and timely inspection by the KVK Pokharni scientist. The result of this successful trial of Arkarakshak communicated to Dr. A.T Sadashiva, Head Division of vegetable IIHR Bangalore and DEE Dr. B.B. Bhosale sir VNMKV Parbhani who visited this trial and gave good remarks regarding the trial. KVK Pokharni also arranged meeting and interaction of Progressive farmers sunil shinde with A T Sadshiva sir in Bangalore and A. T. Sadashiva sir appreciate the work and the trial of Arkarakshak by KVK Pokharni Nanded MS. The success of this F1 also broadcast on SAAM TV through which Arkarakshak reaches every farmers of Maharashtra and its neighboring states. Every KVK in Maharashtra particularly marathawada gave priority to this F1 in their action plan 2017-18 so as to make its maximum reach.

After the successful trial of Arkarakshak now KVK Pokharni conducting trials of "Arkasamrat new F1" of Tomato along with Arkaharita and Khyati at same village.



Dignistic visit by Dr.B.B.Bhosale sir DEE VNMKV,Parbhani with KVK Pokharni scientist



Dr.D.A.Deshmukh Scientist horticulture addressing farmers during field visit on Arkarakshak at village vasantwadi tq mudkhed



Fruits of F1 Arkarakshak & Progressive farmer Sunil shinde

KVK Pokharni Na