

## **Report on field visit and lectures delivered in charchasatra at Jath and Palus organized by state agriculture department of Sangli district**

Based on the request received from Mr. Vetal, SADO, Sangli district, the field visit was undertaken on 17<sup>th</sup> and 18<sup>th</sup> May, 2023 in Jath and Palus area. The details of the visit undertaken is as below.

On 17<sup>th</sup> May, 2023, after reaching to Jath, field of Mr. Sachin Sankh was visited for canopy management practices to be followed. Five-year-old Thompson Seedless grafted on Dogridge rootstock was trained to flat roof gable system. The grower covered the vineyard with shade net during foundation pruning with control in few rows in the same vineyard. Bud sprouting was early and uniform in the vines covered with shade net as compared to erratic sprouting in the controlled vines. Sub-cane development was completed since the sprouting was early. Based on the feedback of the grower, the results of the guidance by NRC Grapes are now visible as he could save the labour for shoot pinching.

Under shade net, the faster shoot growth resulted into higher internodal length that led to high vigor. The grower had apprehension about reduced fruit bud differentiation due to faster growth obtained by shade net covering. He was advised to remove the shade net immediately after bud sprouts. He was also informed about higher leaf area achieved due to



Pinching for sub cane was completed (right row) compared to erratic sprouting (left row)



With Mr. Sachin Sankh and other grape growers of nearby area

covering with shade nets.

During evening, lecture was delivered on “Canopy management practices for fruit bud differentiation after foundation pruning”. As per the discussion with the officials, around 750 grape growers attended the lecture.



Grape growers attended the lecture at jath

On 18<sup>th</sup> May, 2023, field of Mr. Deepak Hatti, Mr. Sarfraj Sheikh (Salmalgewadi village), Mr. Bandu Kitture, Mr. Prashant Gejji was visited. In all the grape vineyard, the canopy was as per the requirement. In this region, the grape is mainly grown for raisin making and local market as second preference. As per the discussion with the group of growers, bunch load per vine during forward pruning is very high (around 150 bunches/vine). Number of vines maintained per acre area is also higher than the recommended. The growers were advised that high yield/vine every year may lead to dead wood thus resulting into reduction in life span of vine. They were suggested to maintain a load of 15 to 16 t/acre for raisin making while 12-13 t/acre for local market.

In another plot of Mr. Sarfraj Sheikh (Salmalgewadi village), the vineyard was pruned during second week of April. After the sub-cane development, by spraying of unknown chemical, the shoots were dried in 2 days period. To save the crop, he was advised to prune back growing shoots at 2 bud stage (over the mobile phone call). After visiting the plot



Vineyard after fresh re-cut



Availability of calcium carbonate in soil affect shoot growth

personally, the grower was then advised to apply nutrient (nitrogen) and PGR for fruit bud differentiation.

In majority of the vineyard, calcium carbonates content in the soil were higher than 10%. The presence of calcium carbonate in soil was reflected into smaller leaf size, leaf curling and yellowing of leaf. The growers were advised to apply around 80-100 kg sulphur per care per season (recommended practice of NRC Grapes, Pune) every year for at least 3-4 years. The grape growers from Jath area have given positive feedback about the knowledge being received from NRCG through advisory and article in Agrowon.

In the evening, the field of Mr. Kiran Shinde in Kundal area (Palus taluka) was visited. Cordon development from the new shoots after re-cut was delayed in this vineyard. The grower informed about “H” type of framework development on Y trellis. Since it was late to make such type of framework, the grower was advised to develop only single cordon with horizontal placement. The “H” type of development can be done in the next year. The lecture on “Canopy management practices for fruit bud differentiation after foundation pruning was delivered. Approximately, 450 grape growers attended the lecture.



Delayed framework development in first year vineyard (after re-cut)

Participation of grape growers at Palus