



# CHELMER FOODS CROP REPORT

## SULTANAS & RAISINS CROP EVALUATIONS

July 2022

The Highest volume of grapevine  
grows in Manisa counties, Turkiye.

### Visited Regions

- \*Durasilli
- \*Eldelek
- \*Poyraz damlari
- \*Kemerdamlari
- \*Yesilkavak



# SULTANAS & RAISINS

County	Ahmetli	Alasehir	Golmarmara	Salihli	Sarigol	Saruhanli	Sehzadeler	Turhutlu	Yunus Emre
Growing Area	50 000	200 160	23 200	110 000	90 000	90 000	65 000	82 650	25 000

**85% of Turkish Vine are produced in the Manisa region.**

The most significant production (20%) of Table grapes grow in the Sarigöl and Alaşehir districts of Manisa.

The most dominant variety of grapes is Vitis Vinifera known as Sultanas, which is 90% of the overall harvest of grapes in Manisa.

In the remaining 10% of the area, Alfonselavalle, Crimson seedless, Razakı -v Süperior seedless, Earlysweet, Trakya İlkeren, and Red Globe grapes are grown as table grapes.

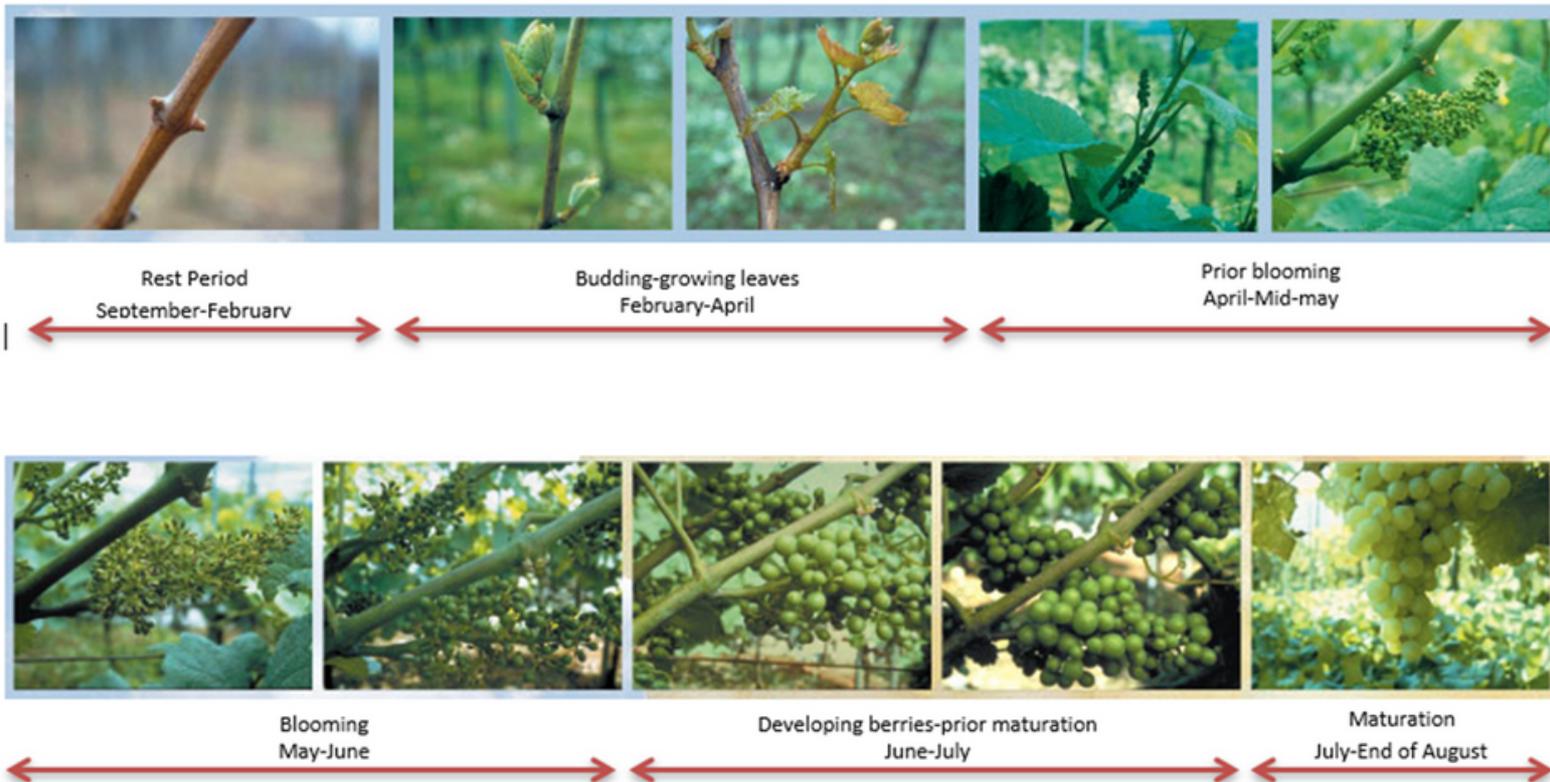
Approximately 50 thousand families earn their living from viticulture on an area of 777,404 decares in Manisa.



\*Aegean region has the most suitable conditions to provide grapevine cultivation with high yield and quality.

\*The volume and quality of grapevine depends on weather conditions; the high-risk period is until mid-June. The weather's temperature affects the yields and quality of the grapevines.

# SULTANAS & RAISINS



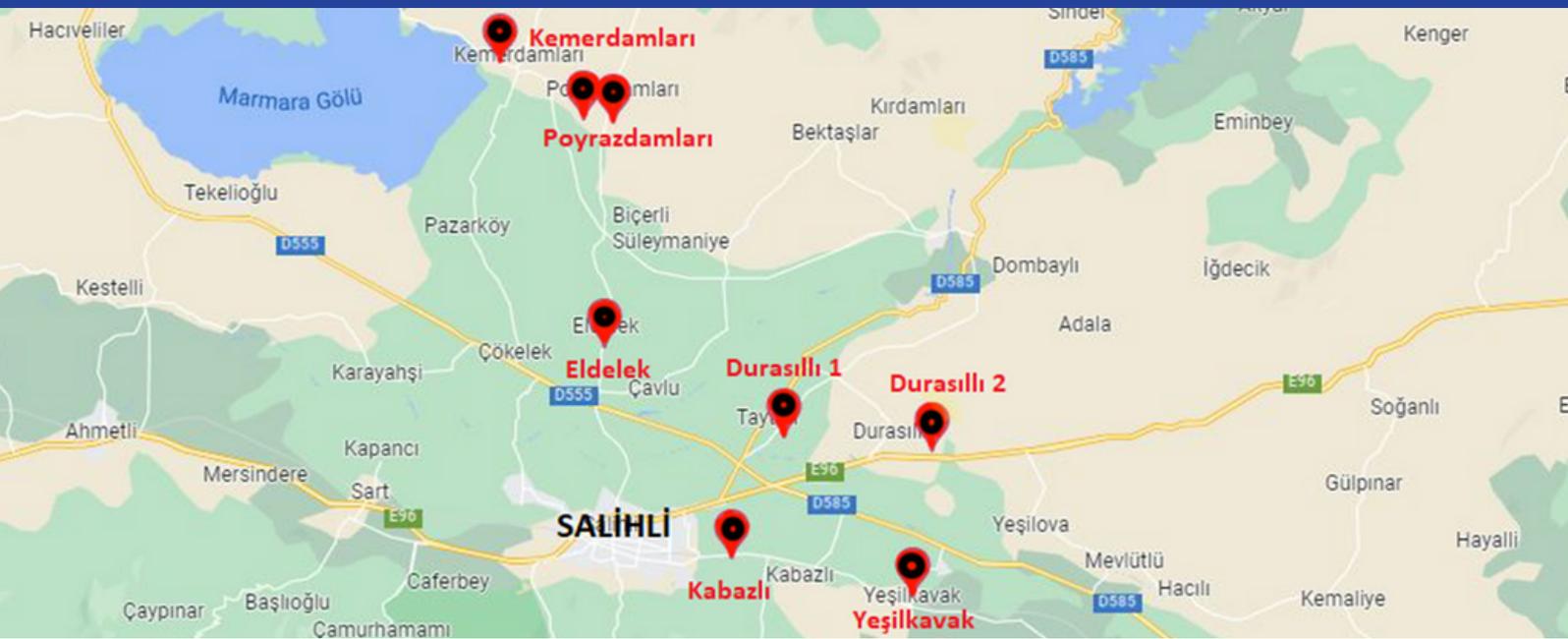
## Whole life circle of grapevine

In the beginning of June some regions were damaged by hail. The most damaged regions were the mountainsides of Salihli and Alasehir. The main fields in Manisa were not damaged and there was no affect to the harvest volume.

The risk of seasonal effects ends after mid-June, but there is still a risk of fruit diseases once the grapes start maturation. However, the highly experienced farmers could control the situation during this period. Examples: Using suitable pesticides and fertilizers, pruning long branches, irrigation, etc.



# SULTANAS & RAISINS



## Durasilli Region

In the vineyard, undeveloped clusters were observed that could not develop properly due to the sudden change in temperature between day and night.

Low iron ratio in the soil makes an additional affect on the shortage of grapevines.

It was stated that this region has a large amount of bor in the soil and water. As the bor blocks the plant's vascular system, the nutrition transfer is insufficient.

In Durasilli regions, vineyards cannot grow adequately due to the lack of nutrients in the soil.



# SULTANAS & RAISINS



## Durasilli Region

The Bor problem in soil and water is dominant in the current region. Surface water is convenient, but bottom water is high in bor.

Iron and phosphorus deficiency are also seen in the soil. With the lack of nutrition, the berries can remain undeveloped.

When iron and zinc cannot be obtained, plant growth decreases. Leaves turn yellow due to iron deficiency, and the clusters are do not get longer.

The new application is experienced in Durasilli region this year, which has beneficial results compared to last year's yield.



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# SULTANAS & RAISINS



## Eldelek Region

Aphids (*Empoasca decipiens*) were detected in the area. Due to aphids, the leaves shrivel up and cannot photosynthesize because they do not receive the sun well. The indirect light affects the nutrition level of the berries, but no significant effect was observed. No other disease has been seen so far.



## Poyraz damlari Region

The harvest looks very good. Expected harvest of 1-ton product/acre. Last year, the harvest was very short in this vineyard. With good fertilization, the tonnage was increased this year. The soil in the vineyard was remarkably soft. The plant needs to be supplemented with calcium not to lead cluster tips dry.

# SULTANAS & RAISINS



## Poyraz damlari Region

In the second vineyard in the same region, the soil is stony. Therefore the water retention of the soil is low. It requires a lot of watering. The yield is lower in hard and stony soil. Because the clusters cannot absorb water, they remain small, so their sugar content is high. Since the water ratio is generally low, the Brix value in the berry remains more increased, and the grape becomes sweet. In such vineyards, irrigation should be done every week.

In the vineyards of Poyrazdamlari, excessive leaves are seen. The berries in the clusters are long and healthy. One ton per acre is expected, which is an excellent yield.



## Kemerdamlari Region

Hail damage is seen in the vineyards. Hail damage caused 70% loss in the first inspections, but this level of damage is not seen on the vineyard just next to it. On this vineyard, Botrytis cinerea, a fungal disease, might be seen afterward. Calcium and magnesium supplementation can be made to save the crop at hand.

There were leaves on the ground in this vineyard hit by hail and leaves with holes. Dried clusters are seen. However, the crop is not completely damaged. This damage can be seen in an area of 500 decares in a vineyard around Golmarmara lake on the mountainside.

# SULTANAS & RAISINS



## Kabazli& Cukuroba Regions

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There were leaves on the ground in this vineyard hit by hail and leaves with holes. Dried clusters are seen. However, the crop is not completely damaged. This damage can be seen in an area of 500 decares in a vineyard around Golmarmara lake on the mountainside.

Air circulation in the vineyard is very good. Quite good clusters are seen. The clusters grow in the shade, which positively affects their growth. Slight insect damage was seen on the leaves. The vines are close to the ground.



## Yesilkavak Region

In the vineyards, the number of clusters is high, number of berries on a cluster is average.

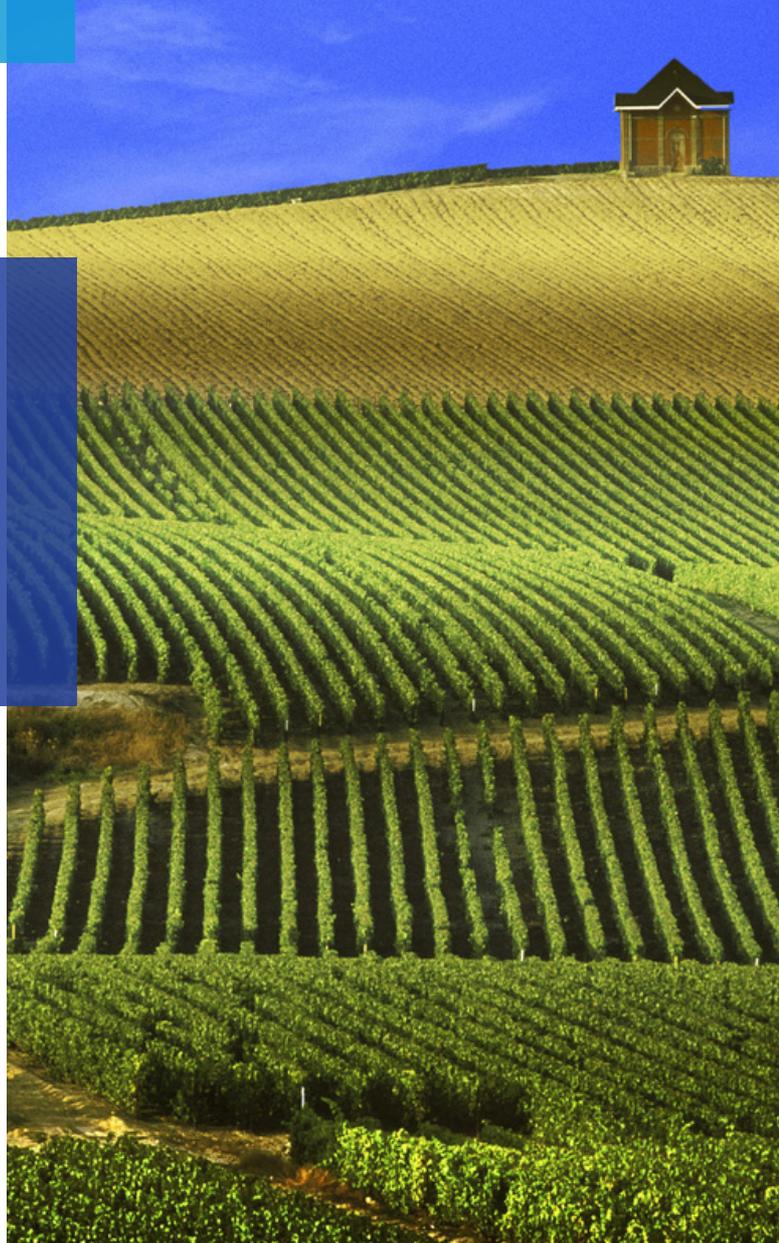


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## **CROP EVALUATION**

Overall, the vineyards look good. There is damage after hail, but it will not affect the production volume.

Start of the season - September/ October 2022



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