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TAGEM
AR-GE & İNOVASYON



TURKIYE
YÜZYILI

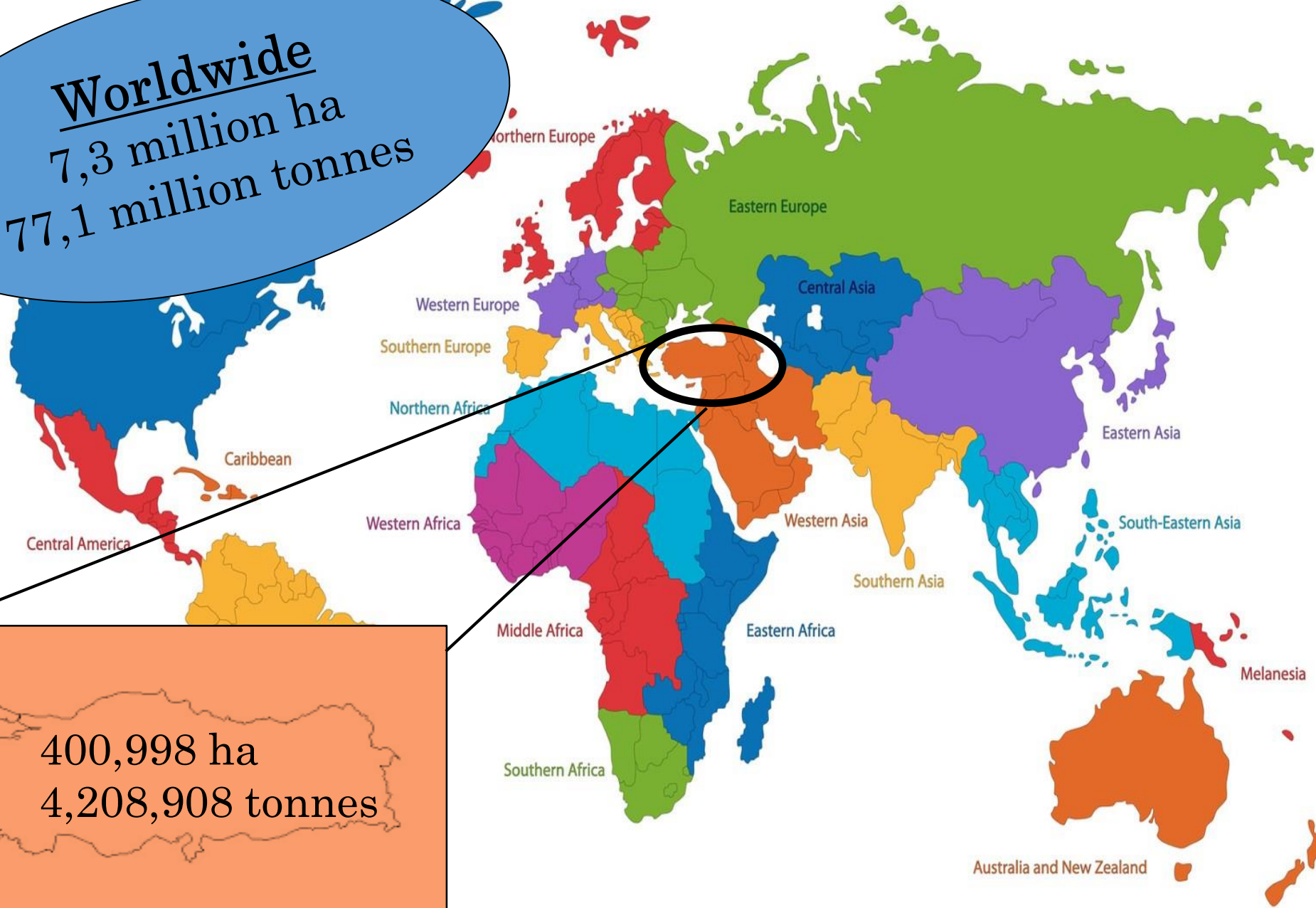
VITICULTURE RESEARCH INSTITUTE-MANISA





Worldwide
7,3 million ha
77,1 million tonnes

400,998 ha
4,208,908 tonnes





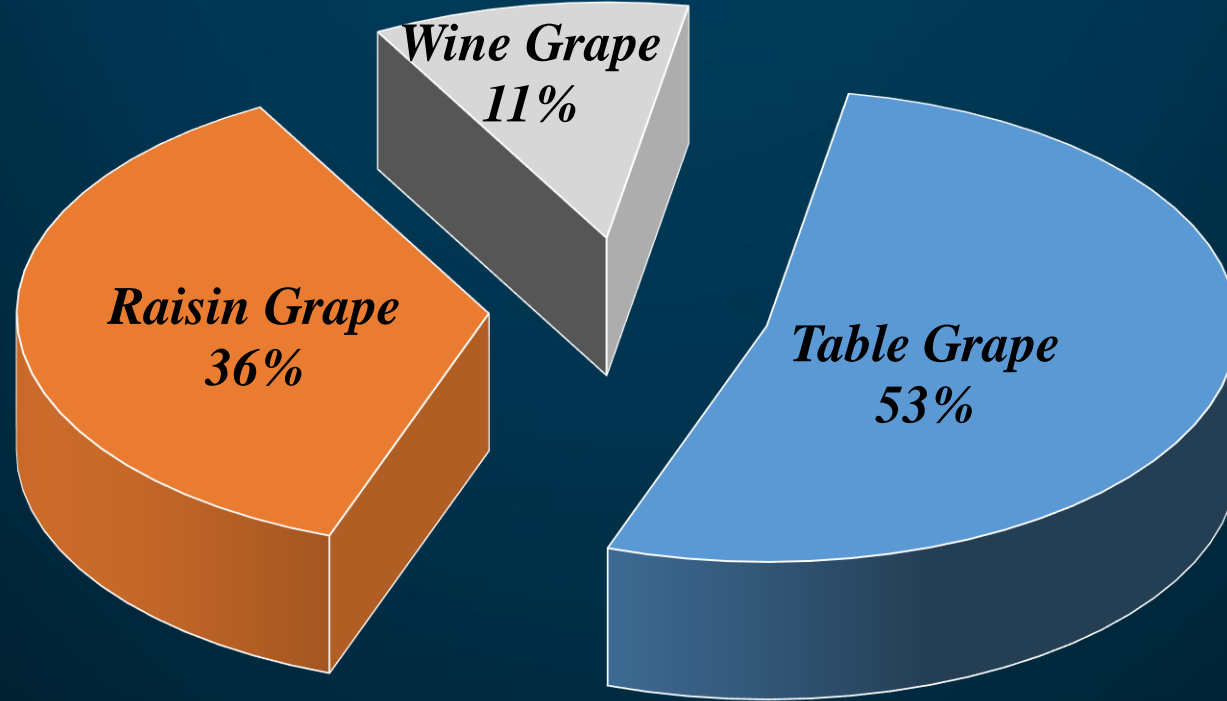
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TURKIYE
YUZYILI

Viticulture in Türkiye





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Viticulture in Türkiye

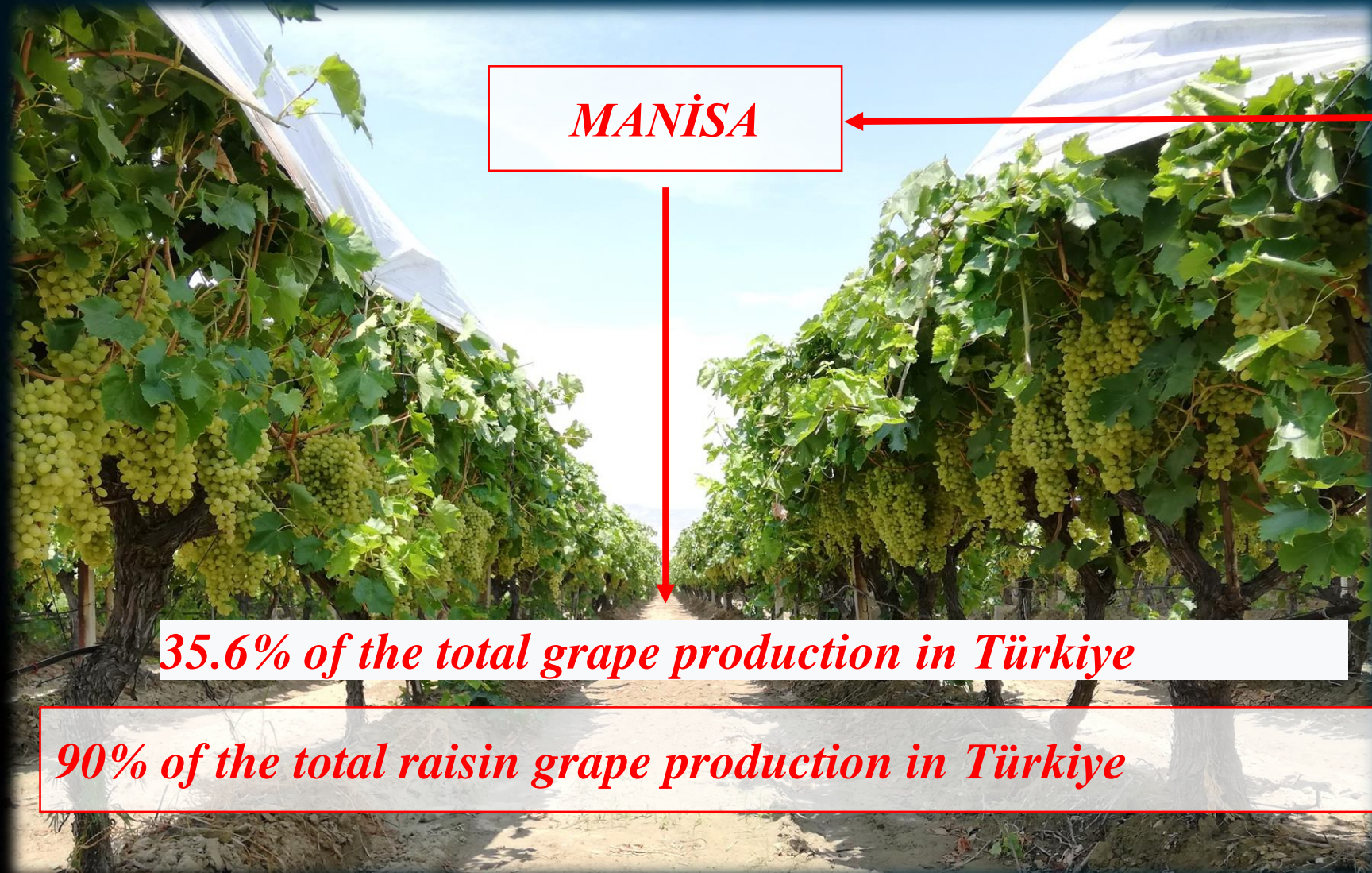




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TAGEM *Viticulture of Türkiye*

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MANİSA

Manisa

≈ 83 thousand ha

≈ 1.5 millions tonnes

Türkiye ranks 1st in the world in the export of seedless raisins and 8th in the export of table grapes.

≈ 500 million \$ raisin
≈ 200-250 million \$ table grape export value

35.6% of the total grape production in Türkiye

90% of the total raisin grape production in Türkiye

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TURKIYE
YÜZYILI

✓ Founded in 1930 - Amerikan Rootstocks Nursery

- ✓ Viticulture Research Station– 1944
- ✓ Viticulture Research Institute– 1968
- ✓ Agriculture Research Station– 1971
- ✓ Viticulture Research Station– 1974
- ✓ Viticulture Research Institute – 1979
- ✓ Viticulture Research Station– 2011
- ✓ Viticulture Research Institute – 2015





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Viticulture Research Institute-Manisa



Akay ÜNAL
Manager



Dr. Selçuk KARABAT
Deputy Manager

Viticulture Research Institute-Manisa



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Land Properties	80 ha (44.9 ha Manisa Center, 35.1 ha Alaşehir/Yeşilyurt)
Houman resources	90 employe (31 Researcher, 8 Technician, 7 Officer, 44 Worker)
Departments	6 Research Dep, 8 Lab
Genetics Resources	1.436 grape variety in genetics resources research plots
New Varieties	14 registired grape variety





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Research Departments



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BREEDING DEPARTMENT



Research Team



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BREEDING DEPARTMENT



✓ Preserving vine gene sources of regional and national

✓ Crossing and Obtaining New Varieties

➤ Identification of Cultivar and Clones

✓ Obtaining Base Material

✓ Grape Adaptation Studies

✓ Tissue culture studies

✓ Grape selection studies



GRAPE GROWING TECHNIQUE DEPARTMENT



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GRAPE GROWING TECHNIQUE DEPARTMENT



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American Rootstock Adaptation Researches for Different Regions

Pruning and Trellis Systems for Different Grape Varieties

Irrigation, Fertilization and Physiology Studies

Vine sapling studies

Cultural Practices for Grape Growing



PLANT HEALTH DEPARMENT



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PLANT HEALTH DEPARTMENT



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- ✓ Diagnosis and epidemiology of grape diseases and pests, R&D activities,
- ✓ Individual and collective trainings on diagnosis and control methods,
- ✓ Integrated and biological control, early-warning and researches on post-harvest,
- ✓ Conducting and supervising biological activity trials,
- ✓ Preparation of plant health control, integrated control and prepretation of agricultural standard drug trial methods,
- ✓ Analysis of base material and clone selection studies.



FOOD TECHNOLOGY DEPARTMENT



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For raisin production;

- ✓ Proper harvest time studies ,
- ✓ Deeping solution preparation,
- ✓ Drying systems studies,

✓ Determination new wine and grape juice varieties

✓ Production techniques of grape juice and some traditional grape products

✓ Grape base some functional food

✓ New food processing methods



AGRICULTURE ECONOMICS DEPARTMENT



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- ✓ Determination projects of crop policies of ministry of agriculture
- ✓ Grape production and marketing policy studies
- ✓ Vineyard establishment and grape production studies
- ✓ Economical analyses for different usages of grapes





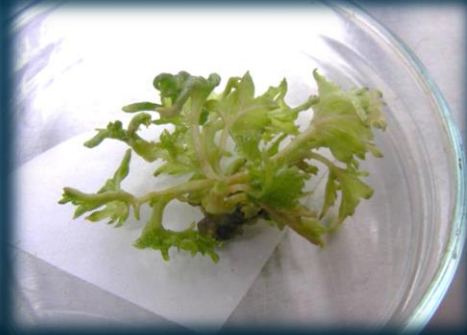
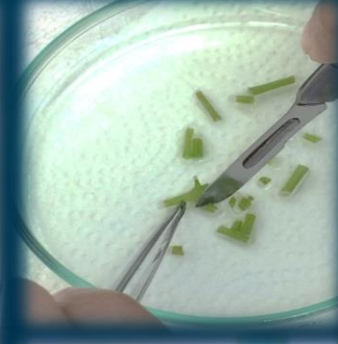
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Laboratories



1. Soil, Leaf and Water Analyses
2. Tissue Culture





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- | | |
|----|--------------------------|
| 3. | Food Technologies |
| 4. | Plant Health |





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Laboratories



- | | |
|----|---------------------------------------|
| 5. | Physical Analysis |
| 6. | Molecular Biology and Genetics |
| 7. | Physiology |
| 8. | Residue Analysis |





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Facilities



9.	Base Material Production Units
10.	Grape Processing Units





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Research Projects

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Ongoing / Proposals	
TUBİTAK 1001-1007	3
EU	2
GDARP	22
GDARP Re-DE Ongoing + Proposal	1 + 2
Training and Extension Ongoing + Proposal	3 + 2
Self Founded	1
Mutual projects	Kıbrıs(2), Malatya(2), Eğridir(1), BAP(2)
Accepted New Proposal	3 + 3
TOTAL	45 projects

Private Sector Trials	
National Firms	2
International Firms	4
TOTAL	6 projects



10 th National Viticulture and Technologies Symposium



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3-7 th October 2022



More than 200 participant
69 oral, 59 poster presentations



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3-7 th October 2022



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Increasing the Efficiency of Conservation of Vitis Sylvestris Genetic Resources in Europe

Sylvestris Survey of Aegean Region Of Türkiye

Metin KESGİN
Head of Breeding Dept.

Dr. Selçuk KARABAT
Deputy Manager



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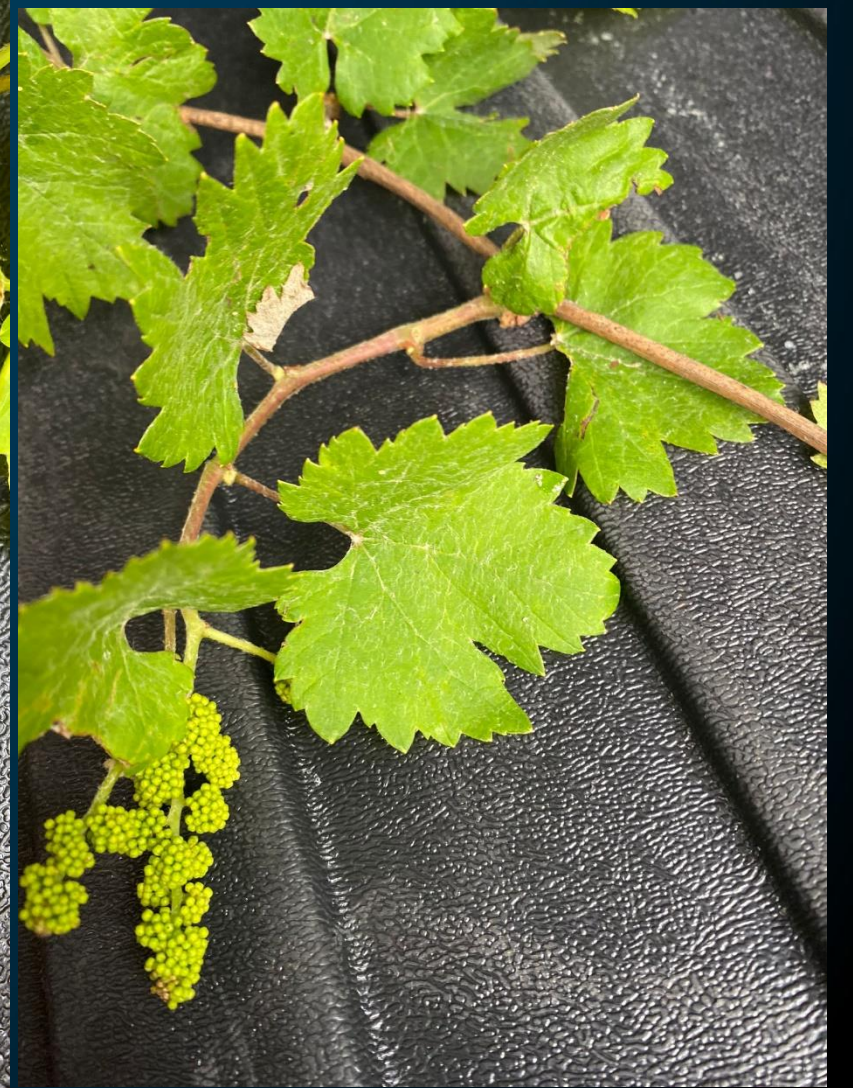
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Thanks for your attention