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UC-Jasmine™ ('KB25-78'): A High-Yielding Female Pistachio Cultivar

UC-Jasmine™ ('KB25-78') is a very productive female pistachio cultivar developed and selected through the University of California (UC) pistachio breeding and evaluation program in support of the California pistachio industry.

Key Advantages

- Up to as **30%** higher edible yield compared to standard cultivars in selection trials
- Large nut size (**19-20** nuts per ounce), comparable to 'Lost Hills' and larger than most commercial cultivars
- Reduced alternate bearing, compared to 'Kerman' or 'Golden Hills'
- Early season bloom period
- Harvest later than 'Golden Hills' or 'Lost Hills', but slightly earlier than 'Kerman'

Tree Characteristics and Phenology

UC-Jasmine™ ('KB25-78') has a juvenility period similar to other female cultivars, typically reaching first commercial production around year 6. The tree is vigorous and shows higher girth of both the rootstock and scion compared to 'Kerman', 'Golden Hills' and 'Lost Hills'.

UC-Jasmine™ ('KB25-78') *also allows for expanding the current harvest and bloom calendar with respect to the commercial cultivars available.* The flowering period of UC-Jasmine™ ('KB25-78') has been one to eight (1-8) days earlier than 'Golden Hills' and four (4) days later than 'Gumdrop'. The harvest period of 'UC-Jasmine™ ('KB25-78') has been one (1) week later than 'Golden Hills' and two to seven (2-7) days earlier than 'Kerman'.

UC-Jasmine™ ('KB25-78') nut size (19-20 nuts per oz.) is larger than 'Kerman' and 'Golden Hills' and comparable to that of 'Lost Hills'. In-shell split percentage of UC-Jasmine™ ('KB25-78') is around 70-73%, similar or higher than 'Kerman' and 'Gumdrop' and lower than 'Golden Hills' and 'Lost Hills' (80%). However, in the oldest and longest running, replicated experimental trial in Kern County, edible yield of UC-Jasmine™ ('KB25-78') has been consistently 30% above the other cultivars, even after accounting for non-splits which are similar in percentage to 'Kerman'. Average edible yield for nine (9) years was 3,800 lbs. per acre versus 2,300 and 2,700 lbs. per acre for 'Kerman' and 'Golden Hills'. UC-Jasmine™ ('KB25-78') yielded more than 4,000 lbs. per acre for five (5) consecutive years.

Industry Relevance

UC-Jasmine™ ('KB25-78') offers the potential to produce more income per acre than other commercial cultivars due to its higher yield, representing a valuable option for California growers seeking to maintain profitability under declining nut prices and increasing production costs. In addition, as 'Golden Hills' acreage extended in California, pistachio growers want more cultivar options to expand the harvest period to permit efficient use of harvesting and processing equipment, essential for the industry since late harvested nuts have more stains and defects that decrease grower paid yield. Growers also need new cultivars with different bloom periods than 'Kerman', 'Golden Hills'/'Lost Hills' and 'Gumdrop', to compensate for erratic spring weather patterns that can impact bloom and production. UC-Jasmine™ ('KB25-78') allows to expand and differentiate bloom and harvest time, which increases (or improves) grower resilience.

Fig. 1

Average annual edible yield for 'Kerman','Lost Hills' and the selection UC-Jasmine™ ('KB25-78') in the Jasmine trial from 2016 - 2024. Trees were 6 years old in 2016. Error bars represent ± 2 standard errors of the mean.

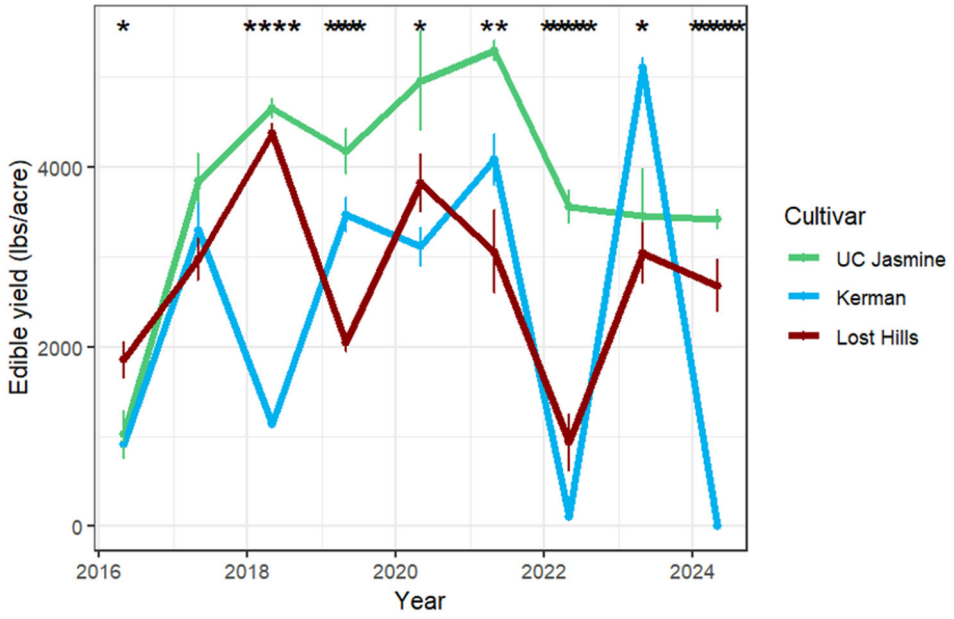




Fig. 2

Bloom of a 7-year old UC-Jasmine™ ('KB25-78') (left) and 'Golden Hills' (right) trees on March 26, 2026

Fig. 3

Comparison of nut size between 'Kerman' (left) and UC-Jasmine™ ('KB25-78') (right)



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To inquire about availability or submit a material request/order please contact:
UC Davis Foundation Plant Services (FPS)
Tel: (530) 752-3590
Email: fps@ucdavis.edu

NOTE: *Budwood Availability: Foundation Budwood of UC-Jasmine™ ('KB25-78') is distributed by UC Davis Foundation Plant Services (FPS) to licensed brokers from June to September depending on material availability.*

Please contact FPS or fill and submit the following order form:

https://fps.ucdavis.edu/FPScustomerPortal.cfm

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