



### Cold Tolerance: Dec. 1990

- 11 nights @ 4-12 F

• UC Berkeley I: UCBI  
 • No death

• Pioneer Gold I: PGI  
 • 41% died

### Production Recommendation: Salinity Tolerance

- **Soil water extract:**
  - Pistachios on all three rootstocks produce equally well up to:
    - 8 dS/m ECe
    - 6720 ppm TDS
    - 8 mmuho/cm
- **Limiting factors:**
  - soil saturation
  - osmotic pressure
  - Cl and Na uptake with Integerrima

### Tolerance Ranking of Pistachio Rootstocks in SJV 1989 - 2002

Limiting Factor  
 (1) best -> worst (4)

Rootstock	Frost	Yield	Salinity	Vert.
<i>P. integerrima</i>	4	2	3	1
<i>P. atlantica</i>	1	4	1	3
PGII	3	3	2	4
UCB1	2	1	2	2

Alternate bearing average = for all four rootstocks: scale of 0 -1 = 0.67