

Plant Stem Cell Trail Report Fruit: Winter Dates



Crop : Winter Dates
 Planted Date : May, 2024
 Weather : Sunny
 Location : China. Shandong Binzhou Zhanhua,
 Land condition : Saline-alkali, sufficient base fertilizer and chemical fertilizer
 Symptoms : Frostbite, Gummosis
 Experimental area : 5-10 trees, more than 30 years old (greenhouse, open air)

Product: **FARMCELL® GREEN PRO (FRUIT)**

Crop Conditions

- ❖ Winter dates experience cold snaps during germination.
- ❖ Cold snaps lead to frostbite on trunks and leaves.
- ❖ Resulting issues include:
 - Fewer leaves
 - Shrinking leaves
 - Thin leaves
 - Signs of plant decline



Treatment start on June 7, 2024

- Apply 500 ml of Farmcell®
- Dilute Farmcell® at a 1:40 ratio
- Use groundwater for root irrigation

June 25, 2024



July 19, 2024



Results

After 30 days of using Farmcell®, the number of leaves increased and the color was dark green.

August 13, 2024



Winter dates harvested on Sept 28, 2024

- Trees with frost damage showed no reduction in fruit yield after root irrigation with Farmcell[®]
- Fruits were larger compared to those from untreated trees.
- No signs of decay after 10 days of storage at room temperature, with no change in taste.
- Fruits exhibited high antioxidant levels and higher sugar content.



Winter dates from market



Gummosis Disease Treatment

Product: **FARMCELL® GDS**

Spray 2-3 times around the tree trunk at a height of 1 meter, and also spray 2-3 times on the soil within 1 meter of the tree roots.

Application Method:

1st spray on May 25,
2nd spray on June 11,
3rd spray on June 19.

Dilution ratio: 1:150, using groundwater.

Results

After three applications, the gummosis stops, and the tree trunk becomes non-sticky to the touch.

Before Farmcell

May 25, 2024



After Farmcell

June 25, 2024

