



PLANT BIOSIMULANTS

TALETE

**Increases Crop Water
Productivity**

What is Talete?

Talete works directly on plant physiology, helping crops to increase crop water productivity both in conditions of adequate water availability and permanent or temporary water scarcity.

The physiological effects on plants



Better water retention and absorption

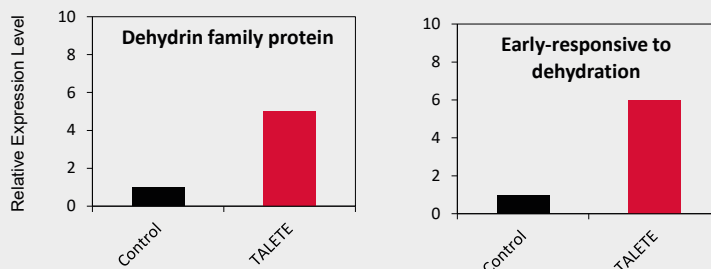


Water use optimization

Why choose Talete?

- Increases water binding capacity;
- Provides stability to other proteins and macromolecules;
- Drives rapid change in the activity of cells depending on the presence, absence, and concentration of water.

TALETE induces several genes belonging to the dehydrin and ERD families

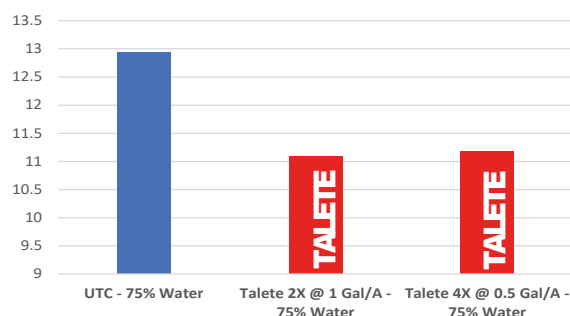


Trials

UC Davis Trial 2021
Almonds - Assessments

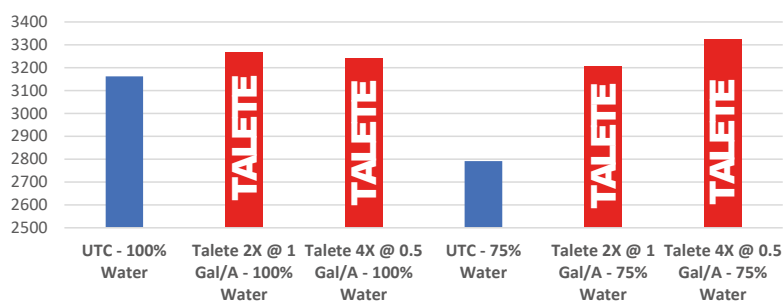


Water Potential BAR



The average decrease in water stress in the 75% ET-irrigated plots in July and August was 2 bar in response to the Talete program.

Yield lb/A



In the 100% ET-irrigated plots, Talete resulted in yield increases of approximately 100 lbs/A. Reducing irrigation to 75% ET decreased yields 350 lbs/A compared to 100% ET. The inclusion of Talete to the 75% ET-irrigated plots increased yield by 400 lbs/A, comparable to the 100%ET irrigated trees.

Directions for use

Use **Talete** to increase crop water productivity in any case, for the entire crop cycle with particular attention to the following phenological stages:

APPLICATION METHOD	CROP	APPLICATION TIMING	RATE (gal/a)
 Fertigation	Tomato, pepper, melon, zucchini, cucumber	From fruit setting	0.5-1.0
	Table grape	From fruit setting	1.0
	Almond	1 st application, from flowering/fruit setting	0.5-1.0
	Other orchards (pomaceae, drupaceae)	From fruit setting	1.0
	Potato	Tuber initiation	0.5-1.0
	Corn	From 4 leaves unfolded to tasseling	1.0

For extensive irrigation systems ensure a uniform distribution of treated water.