



SG1[®] TITAN ALMOND ROOTSTOCK

The peach/almond hybrid rootstock turning growers heads from Red Bluff to Tejon - achieving great yields in some of the most difficult conditions.

Sierra Gold introduced SG1[®] Titan as an advanced clonal selection of Titan peach/almond hybrid rootstock almost a decade ago. Now with SEVERAL HUNDRED THOUSAND producing almond trees in the ground, SG1[®] Titan is the most widely adaptable peach/almond hybrid rootstock available today. Not only does it have the same vigor, salt tolerance, and nematode resistance growers expect from peach/almond hybrids, its excellent anchorage and high tolerance to asphyxia means SG1[®] Titan can be planted in more planting situations than similar rootstocks, with greater confidence. When you add in best-in-class yield efficiency and boron resistance, you begin to wonder if there's a situation it can't handle!

With this wider range of tolerance to adverse conditions, SG1[®] Titan provides a greater level of insurance to growers in all situations than some other peach/almond hybrids like Hansen 536, as well as a better bottom line return!

As many growers may not know, Titan peach almond hybrid from seed has been the peach almond rootstock of choice in the wet, heavy soils of the Sacramento Valley for decades. It thrives when other hybrids, such as Hansen 536 and Viking, have suffered greatly. Now, with a superior clonal selection of Titan, our SG1[®] Titan, growers throughout all almond growing districts of California can have the benefit of this best-in-class hybrid rootstock with the certainty a clonally propagated rootstock provides.

From the heavy soils of the western side of the Sacramento Valley, all the way down to Kern County, through extreme drought, and then the wettest winter and spring in memory, we can confidently say SG1[®] Titan is thriving in all situations!

ATTRIBUTES



YIELD EFFICIENCY

Most yield efficient peach almond hybrid in many trials. More efficient than seedling, or plum, or other complex hybrids.



ALKALINITY TOLERANCE

Appears to be superior



COMPATIBILITY

Completely compatible with all commercial almonds and other stone fruit



CROWN GALL

Is consistently and significantly lower on SG1[®] Titan than other hybrids like Hansen 536



PHYTOPHTHORA TOLERANCE

Very good for a peach almond hybrid



VIGOR

High, classic peach almond hybrid vigor similar to Hansen 536



SALT TOLERANCE

Excellent, similar to other peach almond hybrids



BORON TOLERANCE

Appears to be the best of all rootstocks



NEMATODE RESISTANCE

Like Nemaguard, and other peach almond hybrids, resistant to root-knot nematode



ANCHORAGE

Excellent. Superior to most rootstocks. Performed well in a variety of root strength trials.



"WET FEET" TOLERANCE

Superior to other peach almond hybrids, with field evidence & experimental data suggesting SG1[®] Titan survives asphyxiation as well as rootstocks with plum genetics



CUMULATIVE YIELD

Chart shows Boron rootstock trial cumulative yield for 3rd through 10th leaf (2013-2020).

Trees on SG1® Titan produced the highest average yields per acre.



“WET FEET” TOLERANCE - ASPHYXIATION

Chart shows “Days to Plant Death” of SG1® Titan compared to other almond x peach commercial hybrid rootstocks.

SG1® Titan appears superior to other peach almond hybrids, surviving asphyxiation as long as plum type rootstocks like K86 and RPR.

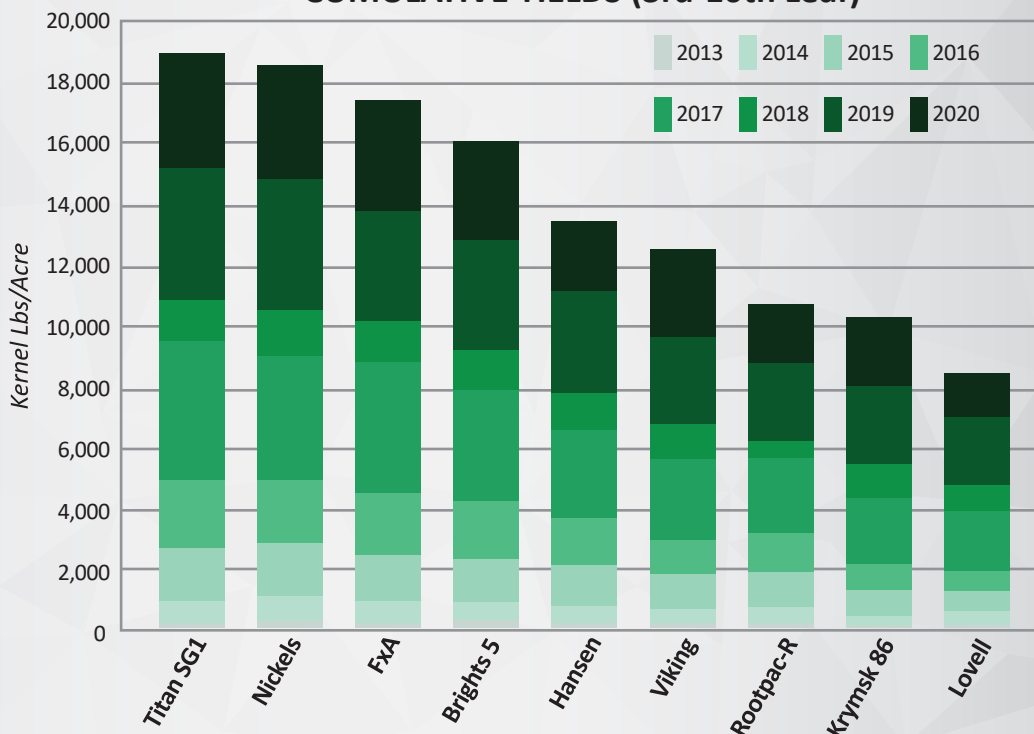


ANCHORAGE

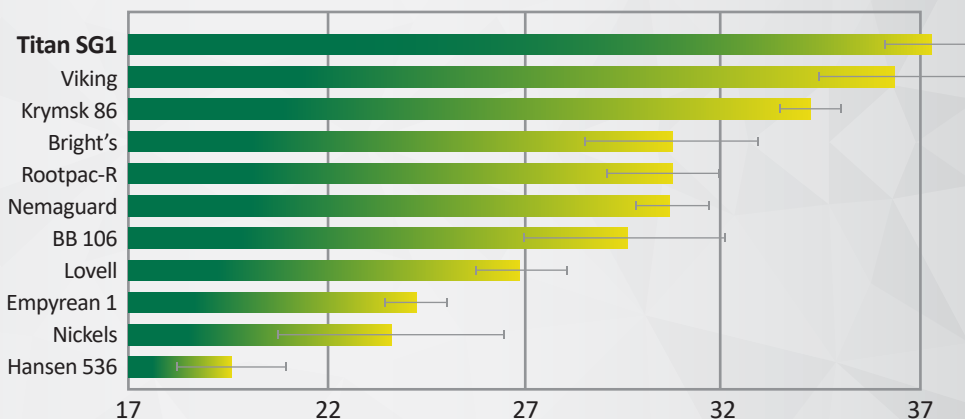
Chart shows Force of Root inherent Shear Breaking (FRISB).

SG1® Titan has the highest root shear breaking strength.

CUMULATIVE YIELDS (3rd-10th Leaf)



DAYS TO PLANT DEATH



FORCE OF ROOT INHERENT SHEAR BREAKING

