



1 year old Shasta® on Cornerstone

KEY FEATURES INCLUDE:

- Hybrid rootstock with excellent anchorage
- Strong resistance to most root knot nematodes
- Consistently one of the highest producers
- Drought tolerant
- One of the most tolerant to high salt soils
- A great candidate for second, third or multi-generation orchard sites
- Very good vigor
- More tolerant to high pH soils
- Shows resistance to some crown gall as compared to other peach/almond hybrids.



Monterey on Cornerstone



Monterey on Cornerstone

Cornerstone is a deep rooting red leaf rootstock. It has better phytophthora resistance than Hansen 536 and it is more drought tolerant than Nemaguard. **Cornerstone** is tolerant of high pH soil and is resistant to iron induced chlorosis. **Cornerstone** will tolerate heavier soils and is more resistant to crown gall than most almond x peach hybrids. **Cornerstone** has shown to be one of the **most salt tolerant rootstock** in a recent study conducted by the University of California.



THE BURCHELL NURSERY, INC.

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Healthy Start Trees™

Gemperle Rootstock Trial Data, Turlock, CA.

Table 2. Yield (kernel pounds per acre) of Nonpareil & Carmel Almond Trees in 2010 (8th Leaf) & Cumulatively (4th – 8th Leaf).

	Nonpareil		Carmel	
	2010 (8 th leaf)	Cumulative (4 th – 8 th leaf)	2010 (8 th leaf)	Cumulative (4 th – 8 th leaf)
Paramount	--	--	3600 a	17,075
Nickels	3204 a	14,719	3529 a	18,744
Hansen 536	3139 a	15,113	3549 a	17,415
Cornerstone	2907 a	14,460	--	--
Empyrean #1	2668 ab	14,194	3405*	16,914*
Atlas	2599 b	12,428	3111 ab	16,140
Avimag	2328 bc	12,059	3085 ab	14,786
Viking	2235 bc	11,447	2569 b	13,354
Guardian	2143 bc	11,273	2398 b	12,391
Lovell	2103 bc	10,897	2455 b	11,486
Nemaguard (standard)	1946 c	10,884	2614 b	11,884
Krymsk 86	1416*	7,186*	--	--
Empyrean 101	1357 d	6,028	--	--
Empyrean 2	965*	5,182*	1268*	--
Julior	--	--	924*	--

*Indicates rootstocks that are not fully replicated. Krymsk 86 is fully replicated but many of the trees are one year younger than the rest of the trial.

Late Season Sodium and Chloride Leaf Levels of Almond Trees on Various Rootstocks. Keyes, CA. September 2013.

	% Sodium	% Chloride
Most Salt Tolerant Rootstocks		
Cornerstone	0.04	0.05
GF 677 (Paramount)	0.04	0.05
Adesoto	0.06	0.04
Hansen	0.09	0.07
Empyrean 1 (a.k.a. Barrier 1)	0.09	0.07

Rootstock	Nonpareil	Carmel
Paramount	-- --	5552 a
Nickels	6706 a	5158 ab
Cornerstone	5786 b	---
Hansen	5420 bc	4544 abc
Empyrean 1	5295 bcd	-- --
Cadaman	5069 bcde	4376 bc
Atlas	4759 cde	5167 ab
Lovell	4615 de	3576 c
Viking	4591 de	4379 bc
Nemaguard	4381 ef	3575 c
Guardian	3851 f	3723 c
Krymsk 86	3653 fg	-- --
Empyrean 101	3085 gh	-- --
Empyrean 2	2975 h	2370*
Julior	---	1422*

<<< Gemperle 2013 Yield Data

*"I like it! It's large, vigorous and doesn't have the lower limb dieback like Hansen. Big producer! **Cornerstone** has done well with salt issues. It always looks healthy and vigorous. When we plant again, **Cornerstone** will be at the top of the list!"*

-Christine Gemperle, Gemperle Farms, Ceres, CA