

Hoffman Modeling

Almond Results

June 2014 Modeling

Exponential Uptake

Climate Data January 1, 1952 through September 30, 2013

Soil Water EC (dS/m)

(Soil Water EC Threshold = 3.0)			
LF	Irrigation Water EC (uS/cm)	5 th Percentile Precipitation	Median Precipitation
10%	700	2.5	2.2
15%	700	1.6	1.5
20%	700	1.1	1.0
10%	1,000	3.5	3.1
15%	1,000	2.3	2.0
20%	1,000	1.6	1.5

Irrigation Water EC (dS/m) with 95% Crop Yield

Almond		
LF	Minimum Precipitation	Median Precipitation
10%		
15%	1.4	1.7
20%	>2.0	>2.0

Relative Crop Yield (Percent) at 15% Leaching Fraction

Almond		
Irrigation Water EC (uS/cm)	Minimum Precipitation	Median Precipitation
700	100	100
1,000	100	100
1,500	94	99
1,700	89	95