



POTATOES

Orykta® was applied to three major potato operations in Southern California. The main reason for using Orykta® was to restore micro nutrients to exhausted agricultural lands. Soil samples were taken prior to application of any fertilizer or soil amendments.

Results

- ✓ Increased levels of nutrients across the board.
- ✓ Increased yield.
 - Average reported production from 7800 acre farm was 19.5 tons per acre under normal fertilization program.
 - Orykta test fields averaged 20.3 tons per acre

SOUTHERN
CALIFORNIA

AG-LABORATORY,
INC.

Applied 350 pounds of Oryta® per acre

FARM #1

	Ph	EC	Sat %	NH4N	NO3N	P	K	Ca	Mg	Na	Zn	Fe	Cu	Mn
Field #1 - w/out Orykta	6.0	2.1	35	4	47	55	276	1690	181	293	0.9	7.1	1.1	7.1
Field #1 - w/Orykta	6.4	3.2	44	13	62	73	343	1980	163	371	1.9	11.2	3.2	11.1
Field #2 w/out Orykta	6.0	1.0	40	7	21	31	163	1200	75	120	1.6	10.0	0.9	7.3
Field #2 - w/Orykta	6.1	2.6	47	18	36	44	184	1502	97	187	2.4	14.6	1.0	12.4
Field #3 w/out Orykta	7.0	0.8	30	8	15	32	144	900	80	147	1.0	8.0	3.2	6.3
Field #3 - w/Orykta	6.3	1.4	47	16	28	43	179	1305	105	189	2.3	10.	3.9	10.2

FARM #2

	Ph	EC	Sat %	NH4N	NO3N	P	K	Ca	Mg	Na	Zn	Fe	Cu	Mn
Field #1 - w/out Orykta	6.6	0.9	42	6	20	30	403	2970	176	174	1.1	7.5	1.6	7.2
Field #1 - w/Orykta	6.2	1.6	47	9	29	47	506	3210	215	191	4.2	9.4	2.2	10.2
Field #2 w/out Orykta	6.9	0.7	30	8	10	30	223	910	70	140	0.6	6.6	1.5	7.3
Field #2 - w/Orykta	6.4	1.4	38	11	18	39	309	110	163	169	3.7	8.6	2.4	9.1
Field #3 w/out Orykta	6.8	1.0	30	8	15	33	170	620	67	102	1.7	12.5	1.0	8.5
Field #3 - w/Orykta	6.3	1.8	39	12	23	39	239	871	98	203	2.6	15.6	2.6	11.3

Sat. % - Saturation Percentage
 NH₄N – Ammonium Nitrogen
 NO₃N – Nitrate Nitrogen
 P-Phosphorus
 K- Potassium

Ca - Calcium
 Mg – Magnesium
 Zn – Zinc
 Fe-Iron
 Cu- Copper

Applied 450 pounds of Orykta® per acre

FARM #3

Location	Ph	EC	Sat %	NH4N	NO3N	P	K	Ca	Mg	Zn	Fe	Cu
Miller w/out Orykta	5.0	1.6	24	5	10	14	313			1.1	8.2	
Miller w/Orykta	5.7	1.0	25	0	14	19	321			2.3	12.6	
Kellog w/out Orykta	6.0	1.3	25	7	10	3	204			1.8	7.3	
Kellog w/Orykta	6.0	1.5	25	10	16	6	291			2.0	11.0	
Hamilton w/out Orykta	6.1	1.2	27	9	10	5	265			0.71	6.9	
Hamilton w/Orykta	5.9	1.4	27	12	15	7	272			2.0	10.9	
Johnson w/out Orykta	6.1	1.1	27	8	11	6	200			0.02	9.2	
Johnson w/Orykta	6.0	1.3	28	11	16	7	294			2.2	13.2	
Coyote Canyon w/out Orykta	6.3	.01	27	6	12	5	150			0.61	10.1	
Coyote Canyon w/Orykta	6.1	0.99	27	0	19	0	170			1.9	14.9	
Warner Hot Springs w/out Orykta – Field 1	7.3	0.07	26	10	23	10	162			0.61	8.2	
Warner Hot Springs w/Orykta – Field 1	7.0	1.1	26	11	30	14	171			1.9	10.9	
Warner Hot Springs w/out Orykta – Field 2	7.1	1.1	27	13	19	4	90			0.71	8.6	
Warner Hot Springs w/Orykta – Field 2	7.0	1.3	27	15	27	0	99			2.3	12.7	