

NES1 Myers - Producing Almond Nutrition Station

Protocol and Application Schedule

Plot size - Foliar - 10 trees

Plot size - Drip - 310'x22'/43560=.16 acre

North half - 12 yr, South Half - 9 yr

25% Butte, 25% Carmel, 50% Non (16x22 spacing)

Date	Activity	Temp	RH	Wind	Crop Stage/other comment
2/14/2017	Flagged and installed valves. Pulled soil samples (Valley Tech).				
2/22/2017	Sprayed Tep-Ag, Agrinos, AEA FULL BLOOM applications.	48	60	0-2 NW	Full Bloom
2/23/2017	Found AEA Micro 5000, so I went out and sprayed it on the AEA foliar plots.	50	70	0	beautiful!
2/28/2017	2nd AEA foliar bloom application.	60	47	0	full bloom/starting petal fall
3/6/2017	Agrinos 10, AEA drip apps.				cold & damp
3/6/2017	GS drip application. Foundation Pro @ 6 gal + Actagro Resist @ .5 gal.				Petal Fall
3/10/2017	Petal Fall foliar application. AEA, Agrinos 12, Tep Ag.	65	54	0-3 NW	overcast
3/15/2017	Agrinos 12, Actagro 14 & 16 drip applications	58	78		
3/15/2017	GS drip application. CAN 17 @ (ask Ted for rate)				
3/22/2017	Jim Pingrey/Troy Giesbrecht did a walk through visual evaluation.				
3/29/2017	Fusion 360, AEA, Agrinos-12, Actagro 14&16 drip apps	71	53		
3/29/2017	GS drip application. CAN 17 @ (ask Ted for rate)				
4/3/2017	pulled tissue samples, sent them to Denele Labs.				
4/5/2017	Made TEP-Ag, Mar Vista drip applications and Fusion 360, TEP-Ag foliar sprays	55	62	0	great applications!
4/5/2017	GS drip application - KTS @ 7 gal				
4/10/2017	pulled tissue samples, sent them to Denele Labs.				
4/14/2017	Jim Pingrey/Troy Giesbrecht did a walk through visual evaluation.				
4/21/2017	Made foliar applications to AEA, Fusion 360 programs	77	33	0-3 NW	went good!
4/23/2017	Drip injections - Tep Ag, AEA, Actagro 14&16	56	76	calm	good injection!
4/26/2017	GS drip application - KTS @ 9 gal				
5/3/2017	Drip injections - Tep Ag, Fusion 360, AEA	85	38	5-10 NW	good injection!
5/4/2017	Foliar sprays	86	45	calm	large green nut
5/19/2017	Jim Pingrey, Carl Gwilliam, Troy Giesbrecht eval				
5/25/2017	Grower injected 0-0-25 @ 10 gal./ac. TMG sprayed Fusion 360 foliar.	73	63	calm	nuts are almost filled.
6/3/2017	TMG made drip app on Tep Ag Row 2. This is a few days late.	80	61	calm	

Status	Program	Plot	Date	Method	Product & Rate	Mix = .04 acre/15 liter	Comments
2/22/2017	2 TEP-Ag	2B, 2C	Full Bloom	Foliar - 10 trees	Super-K @ 1 gal	5.12 fl oz	
3/10/2017			Petal Fall**	Foliar - 10 trees	Super-K @ 1 gal	5.12 fl oz	
4/5/2017			April - 1st wk	Foliar - 10 trees	Super K @ .5 gal	76 mls	
4/5/2017		2A, 2B	April - 1st wk	Drip (0.16 ac)	Super-K @ .5 gal	10.25 fl oz	*soil temps need to be above 65 degrees for first Oxy Water application. **Petal fall application can slide a little for more leaf emergence.
4/23/2017			*April - 2nd wk	Drip (0.16 ac)	Oxy Water @ 1 gal	20.5 fl oz	
5/3/2017			May - 2nd wk	Drip (0.16 ac)	Oxy Water @ .5 gal	10.25 fl oz	
6/3/2017			May - 4th wk	Drip (0.16 ac)	Super K @ .5 gal	10.25 fl oz	
6/20/2017			June - 2nd wk	Drip (0.16 ac)	Oxy Water @ .5 gal	10.25 fl oz	
			June - 4th wk	Drip (0.16 ac)	Super K @ .5 gal	10.25 fl oz	

3/22/17 Eval Foliar Treatments are leafier, more red-tipped growth, darker green.

4/14/17 Eval D, D+F, F trt looked better (F were slightly better than D alone) than GS. GS is red tipped and is growing but not as dark green and less leaf expansion.

5/19/17 eval Foliar Trt have improved spur development and are leafier than GS. D+F is not much better than F alone.

TEP - Ag - Yield

Plot	bucket	bucket	bucket	gross	x.22	lbs./acre	% change
2 Drip	74.0	85.0	30.0	189.0	41.6	1718.2	14.5%
2 Foliar	67.0	84.0	30.5	181.5	39.9	1650.0	10.0%
2 Grower Standard	53.0	65.5	46.5	165.0	36.3	1500.0	0.0%