

Metric	Date Recorded	Data	Date Recorded	Data	Date Recorded	Data	Date Recorded	Data
	TEST PLOT - BEFORE		CONTROL PLOT - BEFORE		TEST PLOT - AFTER		CONTROL PLOT - AFTER	
Soil Observations								
Compaction (tons/sq ft)	7/16/2015	1.5	7/16/2015	1.5	8/10/2015	2.5	8/10/2015	1.5
PH	8/1/2015	5.8	6/29/2015	5.5	8/10/2015	5.9	8/10/2015	5.7
Soil N (Nitrate-N (ppm))	8/1/2015	12	6/29/2015	28	8/10/2015	37	8/10/2015	17
Petiole N	6/29/2015	3.48%	6/29/2015	3.48%	8/10/2015	1.94%	8/10/2015	2.29%
Weed Population								
Height (inches)	7/1/2015	32	7/1/2015	15	8/10/2015	1-3	8/10/2015	15
Density	7/1/2015	High (no visible ground)	7/1/2015	Medium (patches of ground clearly visible)	8/10/2015	Low (mostly visible ground)	8/10/2015	slightly lower, as more weeds have become to die off
Health	7/1/2015	Vibrant (green, no pressures)	7/1/2015	Bad (most weeds present have turned red, very minimal "new" growth. some green grasses present below 6")	8/10/2015	Bad - any remaining grass/weeds have been damaged by the sheep	8/10/2015	some new short growths, but generally weeds above 6" are in bad health
Composition	7/1/2015	See Figure 4	7/1/2015	milk weed, grass	8/10/2015	grass, less then 2" in height	8/10/2015	milk weed, grass
Hop Observations								
Basel Foliage	7/1/2015	leafs present to the ground	7/1/2015	leaves below 2 feet have been affected by herbicides and are dying	8/10/2015	totally stripped below 4.5'	8/10/2015	Manually stripped leaves from several rows, taking about 20 minutes a row
Sucker growth	7/1/2015	each plant has 4-8 sucker bines on the ground	7/1/2015	sucker growth is stunted but still present	8/10/2015	totally gone	8/10/2015	no change
Bine Health	7/1/2015	Fair: downy present, but mostly controlled. Spider mite damage visible, and uncontrolled at this time.	7/1/2015	Fair: downy present, but mostly controlled. Spider mite damage visible, and uncontrolled at this time.	8/10/2015	Poor: 20% of bines show some chewing damage, but it doesn't appear to be affecting the health of most plants. 5% of plants look to be snapped due to animal contact. Spider mite damage has resulted in the loss of crop.	8/10/2015	Poor: Spider mite damage has resulted in loss of crop.
Oil Results	-	-	-	-		n/a - crop failure		n/a - crop failure
Harvestable Bine Count	-	-	-	-		n/a - crop failure		n/a - crop failure
Weight of harvested cones	-	-	-	-		n/a - crop failure		n/a - crop failure
Animal Results								
General Physical Condition	7/25/2015	good	-	-	8/10/2015	good, unchanged	-	-
weight	7/25/2015	145	-	-	8/10/2015	145	-	-