2019 Non-Chemical IPM Management & Practices
Through the 4th Quarter of 2019

Month	Staff Labor Hours	Volunteer Hours	Contractor Labor Hours	Total Hours
JANUARY	1379	861	1041	3280
FEBRUARY	1552	1063	1005	3619
MARCH	1557	890	1103	3550
APRIL	1594	976	1002	3571
MAY	2268	519	841	3628
JUNE	2559	555	994	4108
JULY	2013	1433	888	4334
AUGUST	3247	1094	800	5141
SEPTEMBER	2186	1321	995	4501
OCTOBER	2008	870	837	3715
NOVEMBER	1426	1093	842	3361
DECEMBER	1542	1019	886	3447
Total Q1 2019	4487	2814	3148	10449
Total Q2 2019	6420	2050	2837	11307
Total Q3 2019	7445	3848	2683	13976
Total Q4 2019	4976	2982	2564	10522
Total ytd 2019:	**23328**	**11694**	**11232**	**46254**
Total ytd 2018:	21968	10,766	10,562	43,296
Total ytd 2017:	25052	9,439	8,542	43033
Total ytd 2016:	26888	7,086	8,808	42,782
% change ytd:	**6**	**8.62**	**6.34**	**6.83**

What does Non-Chemical IPM Methods mean?

Weed whipping, mulch installation, turf aeration and renovation, gopher and ground squirrel control, hand weeding, flaming, irrigation repair and adjustments to prevent weed growth, flail mowing, sheet mulching, pruning out diseased branches, and many more tasks that support the County IPM program that do not include applying pesticides.

Fourth Quarter IPM Volunteer Highlights: October

Total Volunteer Hours: 1,196

Total IPM Hours: 870

Activities included: sheet mulching (pictured above)

Fourth Quarter IPM Volunteer Highlights: November

Total Volunteer Hours: 1,093

Total IPM Hours: 806

Activities included: litter pick-up, sheet mulching, and hand-weeding.

Fourth Quarter IPM Volunteer Highlights: December

Total Volunteer Hours: 1,541

Total IPM Hours: 1,019

Activities included: mulching around new plantings to retain moisture