

**2018 Non-Chemical IPM Management & Practices
Through the 3rd Quarter of 2018**

Month	Staff IPM Labor Hours	Volunteer Hours	Contractor Labor Hours	Total Hours
<i>JANUARY</i>	1,226	556	719	2,501
<i>FEBRUARY</i>	1,587	912	717.6	3,217
<i>MARCH</i>	1,890	862	920	3,672
<i>APRIL</i>	1,762	1,750	973.85	4,486
<i>MAY</i>	2,323	866	965.91	4,155
<i>JUNE</i>	1,875	753	748	3,376
<i>JULY</i>	1504.5	810	848.33333333	3,163
<i>AUGUST</i>	2197.6	832	845.58	3,875
<i>SEPTEMBER</i>	2666.5	1314	745	4,726
<i>OCTOBER</i>	n/a	n/a	n/a	0
<i>NOVEMBER</i>	n/a	n/a	n/a	0
<i>DECEMBER</i>	n/a	n/a	n/a	0
<i>Total Q1 2018</i>	4,703	2,330	2,357	9,389
<i>Total Q2 2018</i>	5,960	3,369	2,688	12,016
<i>Total Q3 2018</i>	6,369	2,956	2,439	11,764
<i>Total Q4 2018</i>	n/a	n/a	n/a	0
Total ytd 2018:	17,031	8,655	7,483	33,169
<i>Total ytd 2017:</i>	20,083	8,079	6,424	34,586
<i>Total ytd 2016:</i>	21,341	5,831	6,654	33,826
<i>Total ytd 2015:</i>	14,796	5,880	5,760	26,436
% change ytd:	-15.20%	7.13%	16.49%	-4.10%

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.

Third Quarter Non-Chemical IPM Highlights - July



Total Volunteer Hours: 1,019
Total IPM Hours: 810

Above: One Tam's LINC program celebrate a great day of work at Aramburu Island on July 11th, 2018. Invasive plant removal partnered with 101 Surf Sports loans to deliver kayaks for volunteers to use for transportation to the island, 185 total hours.

Third Quarter Non-Chemical IPM Highlights - August

Total Volunteer Hours: 1,230
Total IPM Hours: 832



Left: Above: GreenPlay camp volunteers at work at Hal Brown Park on August 14th, 2018.

Third Quarter Non-Chemical IPM Highlights -
September



Above: September 18th, Volunteers from Wells Fargo's Renewable Energy and Environmental Finance Division kayaked to Aramburu Island to remove invasive plants and help enhance important bird habitat.

