



## 2015 Update Using Remote Sensing Technology

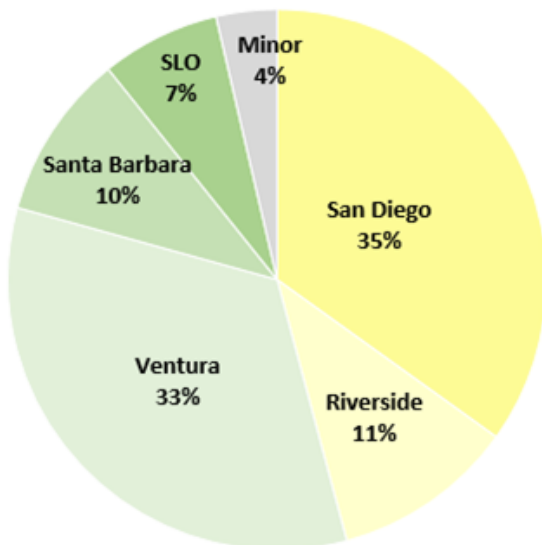
The California Avocado Commission's crop estimating team in conjunction with GeoSpatial Partners, LLC uses the latest in remote sensing techniques to assess avocado acreage in production. As technology continues to advance refinements in our third generation of remote sensing techniques were applied to satellite imagery collected during spring and summer months. The imagery processing techniques include; segmentation into homogenous polygons, retention of tree crop polygons, calculation of average crop canopy moisture and vegetation indices, analysis of change maps from previous inventories, and classification of avocado groves into four categories; producing, topped/stumped, new/young, and abandoned. Aerial imagery (for a real-world view), and satellite imagery (for spectral and temporal data) are integrated into previously classified avocado acreage and analyzed for current condition for five primary avocado growing counties; San Diego, Riverside, Ventura, Santa Barbara, and San Luis Obispo. Other minor counties acreage is estimated based on ancillary data from county agricultural commissioners and our grower community. The results of the avocado acreage inventory including the CAC crop team application of varietal break down are:

### 2015 California Avocado Acreage Inventory Summary by County

County	Producing Acres	Topped/Stumped Acres	New/Young Acres	Total Planted Acres	CAC Bearing Acres (Pro+Top)
San Diego	16,870	1,474	430	18,774	18,344
Riverside	5,056	479	354	5,890	5,536
Ventura	16,732	598	670	18,000	17,331
Santa Barbara	4,819	194	327	5,340	5,013
San Luis Obispo	3,500	220	124	3,844	3,720
<b>Total 5 Counties</b>	<b>46,978</b>	<b>2,966</b>	<b>1,905</b>	<b>51,848</b>	<b>49,944</b>
Total Minor Counties*				<b>1,958</b>	<b>1,958</b>
<b>Grand Total</b>				<b>53,806</b>	<b>51,902</b>

\* Orange, Los Angeles, San Bernardino, San Joaquin Valley, Monterey

### 2015 Planted Avocado Acres by County



2015 Varietal Distribution	
Variety	Acres
Hass	49,453
Lamb	1,623
Other	826
<b>Total</b>	<b>51,902</b>