



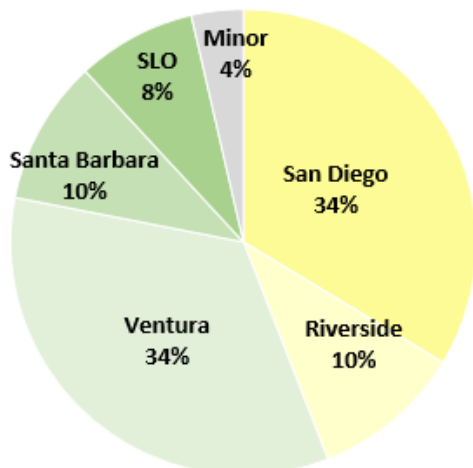
2016 CALIFORNIA AVOCADO ACREAGE UPDATE USING REMOTE SENSING TECHNOLOGY

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:

2016 California Avocado Acreage Inventory Summary by County					
County	Producing Acres	Top/Stump Acres	New/Young Acres	Planted Acres	Bearing Acres
San Diego	15,000	2,741	561	18,302	17,741
Riverside	4,142	916	630	5,688	5,058
Ventura	15,724	1,380	1,382	18,486	17,104
Santa Barbara	4,267	712	484	5,464	4,980
San Luis Obispo	3,269	745	491	4,505	4,014
Five County Total	42,403	6,494	3,548	52,445	48,898
Minor Counties Total*	1,958			1,958	1,958
Grand Total	44,361			54,403	50,856

*Orange, Los Angeles, San Bernardino, San Joaquin Valley and Monterey Counties

2016 Planted Avocado Acres by County



2016 Varietal Distribution	
Variety	Bearing Acres
Hass	48,458
Lamb	1,587
Other	811
Total	50,856