

# Links to Resources to Inform Nutrient Management Planning

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## Fertility management guidance via FREP

<http://apps.cdfa.ca.gov/frep/docs/Guidelines.html>

These guidelines are based on research results from studies carried out in California and elsewhere. Detailed information is summarized in a user-friendly, easily searched interactive database. Information for cotton, wheat, corn, rice, walnuts, grapevines, lettuce, almonds, processing tomatoes and broccoli is available now. Crops will continue to be added.

## FREP Research Database

<http://www.cdfa.ca.gov/is/frep/Default.aspx>

“This database aims to make the wealth of information contained in FREP research projects readily available, easily understandable, and convenient for growers to implement.” Searchable database by crop, keyword or county.

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## USDA Tool to Calculate Nutrient (N, P, K) Removal by Harvested Crop

Crop Nutrient Tool at following website has information about N, P, sometimes K of crop residues. Need to input yield and know what the harvested portion is.

<http://plants.usda.gov/npk/main>

## SARE Resources.

Sustainable Agriculture Research and Education, some great resources including a bulletin found here that could be very useful for a producer/manager who wants to try to formalize observations to guide future management decisions:

<http://www.sare.org/Learning-Center/Bulletins/National-SARE-Bulletins>

## University of California Resources

### UC Nutrient Management for Fruit, Nut and Vegetable Crops (shown in 6/19 webinar)

<http://ucanr.edu/sites/nm/>

Can search by crop or by topic for information. Links to UC publications with nutrient management guidance prepared by UC Farm Advisors and Researchers.

Specific crops:

UC Fruit and Nut Research and Information Center: <http://fruitsandnuts.ucdavis.edu/>

UC Vegetable Research and Information Center: <http://vric.ucdavis.edu/>

A range of other topics also: <http://ucanr.edu/Farming/>

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## UC Cost Studies <http://coststudies.ucdavis.edu/>

Detailed analysis of the cost to produce wide range of crops in California. These are helpful if you are new to producing a crop and want basic information to begin a nutrient management planning process. Typical application rates for water and fertilizer, as well as equipment, labor, and other management parameters included. The information in these reports reflects typical grower practice, and should *not* be viewed as UC recommendations. Examples:

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- Fresh Market Broccoli SLO 2012 [http://coststudies.ucdavis.edu/files/Broccoli\\_CC2012.pdf](http://coststudies.ucdavis.edu/files/Broccoli_CC2012.pdf)
  - Avocado, conventional establishment and production 2011  
<http://coststudies.ucdavis.edu/files/2011/AvocadoConventionalVBSLO2011.pdf>
  - Strawberries 2011 [http://coststudies.ucdavis.edu/files/Strawberry\\_SC\\_SMV2011.pdf](http://coststudies.ucdavis.edu/files/Strawberry_SC_SMV2011.pdf)

## UC Agricultural Publications

<http://anrcatalog.ucdavis.edu/>

Wide range of publications by UC Farm Advisors and researchers on many important California crops.

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## UC Extension Resources by County

Scroll down and click on your county to see what the extension publications are. If there is another county that you know commonly grows your crop, try checking there as well.

[http://ucanr.edu/sites/anrstaff/Cooperative\\_Extension/](http://ucanr.edu/sites/anrstaff/Cooperative_Extension/)

Example of the kind of publications by county, see Monterey County Crop Notes here:

[http://cemonterey.ucanr.edu/news\\_880/Monterey\\_County\\_Crop\\_Notes/](http://cemonterey.ucanr.edu/news_880/Monterey_County_Crop_Notes/)

## UC Farm Advisor Blogs:

These are by topic, see them here:

[http://fruitsandnuts.ucdavis.edu/ce/Farm\\_Advisors\\_Blogs/](http://fruitsandnuts.ucdavis.edu/ce/Farm_Advisors_Blogs/)

## UC Blogs and Newsletters by County for Vegetable Crops

Links to a range of newsletters and blogs from around the state. <http://vric.ucdavis.edu/main/newsletters.htm>

## UCCE Tropic in Subtropics Newsletter

A good source for info re: avocado research. Focus seems to be tree crops.

[http://ceriverside.ucanr.edu/news\\_418/Topics\\_in\\_Subtropics/](http://ceriverside.ucanr.edu/news_418/Topics_in_Subtropics/)

## UC Small Farms website with info re: growing vegetables, many links:

[http://sfp.ucdavis.edu/pubs/Family\\_Farm\\_Series/Veg/](http://sfp.ucdavis.edu/pubs/Family_Farm_Series/Veg/)

- Guidelines for fertilizer applications based on soil test results for CA veg crops  
[http://sfp.ucdavis.edu/pubs/Family\\_Farm\\_Series/Veg/Fertilizing/vegetables/](http://sfp.ucdavis.edu/pubs/Family_Farm_Series/Veg/Fertilizing/vegetables/)
- Tips on irrigating vegetables  
[http://sfp.ucdavis.edu/pubs/Family\\_Farm\\_Series/Veg/Irrigating/](http://sfp.ucdavis.edu/pubs/Family_Farm_Series/Veg/Irrigating/)

## UC Agriculture and Natural Resources Home Page

There are a number of resources you can access from here, explore under the headings Farm and Environment for a few Research and Information Centers (virtual centers).

<http://ucanr.org/>

## NRCS Organic Resources

There are a number of links on this page to webinars and publications that may be of value.

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/landuse/crops/organic/>. Including **Nutrient Management Plan (590) for Organic Systems: Western State Implementation Guide** [http://tilth.org/files/r-e/ocp/nutrient-management/at\\_download/file](http://tilth.org/files/r-e/ocp/nutrient-management/at_download/file)