Section 7

Resources for Nitrogen Application and Management Practices

Note a full host of resources are available along with all presentation materials and notes at:

http://www.cdfa.ca.gov/is/ffldrs/frep/Outreach_Ed.html

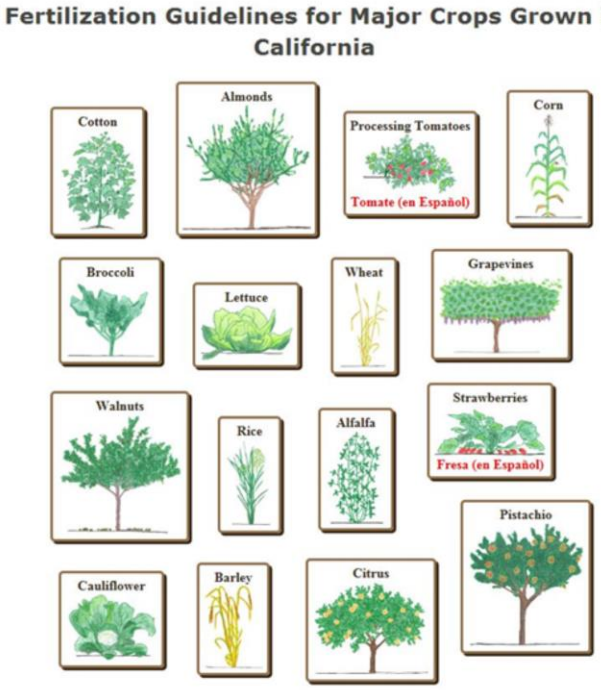
Fertilization Guidelines for Major CA Crops

http://apps.cdfa.ca.gov/frep/docs/guidelines.html

Go here for:

- Application rates & times
- Fertilizer placement
- Fertilizer type
- Deficiencies
- Tissue Analysis

Google:
"CDFA FREP Guidelines"



UC Davis Resources:

Fruit and Nut Research and Information
http://fruitsandnuts.ucdavis.edu/

Grapevines
http://cecentralsierra.ucanr.edu/Agriculture/Viticulture/Grapevine_nutrition/

Almond

http://fruitsandnuts.ucdavis.edu/almondmodels/

Vegetable crops
http://vric.ucdavis.edu/main/veg_info.htm

Go here for:

- Information on biology, fertilization and management of crops
- Links to literature searchable by crop

UC Cooperative Extension Irrigation Management

http://ucanr.edu/sites/irrmgm/

Go here for:

- Introduction to irrigation management

Maintained by Dr. Larry Schwankl, this page contains background information on irrigation management. Covered are topics like dairy irrigation management, fertigation safety, irrigation system maintenance, and drought management.

WATERIGHT

http://www.waterright.org/

Go here for:

- How to get started with irrigation scheduling
- Irrigation scheduling planning tools
- Water and energy management

WATERIGHT is a "multi-function, educational resource for irrigation water management." The site is aimed at homeowners, commercial turf growers, and agriculture. It houses information on managing irrigation for specific crops, and integrates CIMIS weather forecasts and soil type into its instructions. It is not quite field specific but is a great resource for those advising on new or unfamiliar crops. The site was developed by CSU's Center for Irrigation Technology, Fresno with support from the US Bureau of Reclamation.

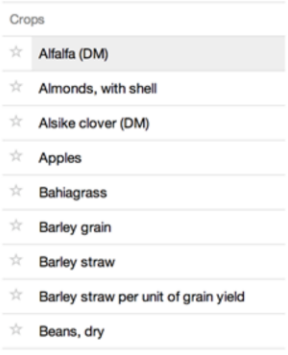
N Removed with Harvested Crops

IPNI Crop Nutrient Removal Calculator

https://www.ipni.net/app/calculator/home

Go here for:

- N, P, K harvest removal estimates of field crops
- Multilingual crop nutrient calculator



This tool provides crop nutrient removal estimates for a broad, and continually expanding, list of field crops. Estimates are provided for N, P, and K in the forms of N, P_2O_5, and K_2O. Results are calculated based on user-selected yield goals and can be displayed in either metric or US units.

NRCS Crop Nutrient Tool

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

Go here for:

- Elemental N, P, K harvest removal estimates of field crops
- Explanation of how removal calculations are made

A tool for calculating the approximate amount of nitrogen, phosphorous, and potassium that is removed by the harvest of agricultural crops. Based on predicted yield and crop variety, the site gives an estimate of harvest removal of elemental N, P, and K. Also provides links to source material in order to see how the values are calculated.

Note: Provides estimates of the same nutrients as IPNI but in elemental forms. In order to compare the NRCS's elemental estimates with IPNI's compound estimates, multiply P by 2.3 and K by 1.2.