

INMP Standard Crop Type List

Version 1.2 (Feb 18, 2025)

Crop*	INMP Development Period	Yield Reporting Units	N Coefficient**	N Coefficient Source
Fruit and Nuts				
Asian Pears	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	none	
Avocado	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	4.4 lbs/ton	Ag Order 4.0 Approved Coefficient ³
Blackberry				
Substrate Primocane	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	4.46 lbs/ton of fruits	CDFA FREP Project ²
Substrate Floricane	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	4.46 lbs/ton of fruits	CDFA FREP Project ²
In-Ground	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	4.46 lbs/ton of fruits	CDFA FREP Project ²
Blueberries (Substrate)	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	1.56 lbs/ton of fruits	CDFA FREP Project ²
Cherimoya	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	none	
Lemons	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	3.49 lbs/ton of fruits	Geisseler Report ¹
Mandarins & Tangelos	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	4.31 lbs/ton of fruits	Geisseler Report ¹
Oranges				
Navel	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	3.61 lbs/ton of fruits	Geisseler Report ¹
Valencia	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	4.66 lbs/ton of fruits	Geisseler Report ¹
Raspberries				
Substrate Primocane	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	3.60 lbs/ton	CDFA FREP Project ²
Substrate Floricane	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	3.60 lbs/ton	CDFA FREP Project ²
In-Ground	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	3.60 lbs/ton	CDFA FREP Project ²
Strawberries	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	2.8 lbs/ton	Hartz UC ANR Strawberry Publication ⁴
Vegetables				
Artichokes	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	7.64 lbs /ton	CDFA FREP Project ²
Arugula	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	11.6 lbs /ton	CDFA FREP Project (2021) ²
Beans				
Green Snap	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	5.78 lbs/ton of fresh weight	Geisseler Report ¹ /Ag Order 4.0 Approved Coefficient ³
Lima	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	none	
Beets	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	6.1 lbs /ton	CDFA FREP Project ²
Brassica (not otherwise listed)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	none	
Broccoli	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	9.26 lbs/ton	CDFA FREP Project ²
Brussels Sprouts	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	12.56 lbs /ton	CDFA FREP Project ²
Cabbage				
Cabbage (Fresh Market - Red)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	4.02 lbs /ton	CDFA FREP Project ²
Cabbage (Fresh Market - Green)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	4.42 lbs /ton	CDFA FREP Project ²
Carrots	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	2.8 lbs/ton of fresh weight	Geisseler Report ¹
Cauliflower	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	5.66 lbs /ton	CDFA FREP Project (2021) ²
Celery	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	2.12 lbs/ton	CDFA FREP Project ²
Cilantro	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	8.26 lbs/ton	CDFA FREP Project ²
Cucumbers	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	2.28 lbs/ton	CDFA FREP Project ²
Eggplant	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	none	
Endive	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	5.48 lbs /ton	CDFA FREP Project (2021) ²
Kale	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	10.96 lbs /ton	CDFA FREP Project ²
Kohlrabi	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	none	
Leeks	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	4.62 lbs /ton	CDFA FREP Project (2021) ²
Lettuce (Baby)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	6.76 lbs/ton	CDFA FREP Project (2021) ²
Lettuce (head)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	2.56 lbs /ton	CDFA FREP Project (2021) ²
Lettuce (Leaf)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	4.14 lbs/ton	CDFA FREP Project ²
Lettuce (Romaine)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	3.00 lbs /ton	CDFA FREP Project ²
Mizuna/Spring mix/Mixed greens	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	8.1 lbs/ton	Ag Order 4.0 Approved Coefficient ³
Onions (Dry yellow)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	3.28 lbs /ton	CDFA FREP Project (2021) ²
Parsley	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	8.76 lbs /ton	CDFA FREP Project ²
Peas	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	9.44 lbs /ton	CDFA FREP Project (2021) ²
Peppers (Bell & Chili)				
Bell Pepper	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	3.88 lbs/ton	CDFA FREP Project ²
Pumpkin	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	7.36 lbs/ton of fresh weight	Geisseler Report ¹ /Ag Order 4.0 Approved Coefficient ³
Radicchio	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	4.66 lbs /ton	CDFA FREP Project (2021) ²
Radishes	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	4.96 lbs /ton	CDFA FREP Project ²
Spinach				
Spinach (Bunch)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	7.42 lbs/ton	Ag Order 4.0 Approved Coefficient ³
Spinach (clip)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	9.68 lbs/ton	CDFA FREP Project ²
Tomatoes				
Tomatoes, fresh market	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	2.61 lbs/ton of fresh weight	Geisseler Report ¹ /Ag Order 4.0 Approved Coefficient ³
Tomatoes, processing	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	2.92 lbs/ton of fresh weight	Geisseler Report ¹
Turnips	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	none	
Other Crops				
Animal Feed	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	none	
Cut Flowers	Calendar Year (perennial crop)	bunches	none	
Direct Sales Operations with crop diversity over 0.5 (1 crop for every 2 acres)	Calendar Year (perennial crop)	Sales	none	
Mushrooms	Calendar Year (perennial crop)	harvest weight (tons or lbs.)	none	
Nursery Stock				
Horticulture	Calendar Year (perennial crop)	Number of Pots	none	
Fruit and Vegetable Transplants	Calendar Year (perennial crop)	Units	none	
Orchard - Other (not listed above)		harvest weight (tons or lbs.)	none	
Pasture (irrigated)	Calendar Year (perennial crop)	none	none	
Research Operations with crop diversity over 0.5 (1 crop for every 2 acres)	Calendar Year (perennial crop)	To Be Determined	none	
Sod and Groundcover	Calendar Year (perennial crop)	Sq. feet	none	
Specialty Fruit Non-Orchard (not listed a	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	none	
Specialty Vegetable (not listed above)	Crop Cycle (annual crop)	harvest weight (tons or lbs.)	none	

Notes:

* If a crop you grow is not accounted for on this list, please contact VCAILG at VCAILG@farmbureauvc.com

** Nitrogen Removal Coefficients pending approval from the Los Angeles Regional Water Quality Control Board

Reference Sources

¹ Geisseler "Nitrogen concentrations in harvested plant parts – Update 02/2024" (http://geisseler.ucdavis.edu/Geisseler_Report_U2_2024_02_28.pdf)

² CDFA FREP Project (2021) "Assessment of Nitrogen Content of the Harvested Portion of Specialty Crops to Estimate Crop Nitrogen Removal and Improve Nitrogen Management in Crops" Richard Smith, Michael Cahn – University of California Cooperative Extension, Monterey County

³ Ag Order 4.0 Approved Coefficient

⁴ Hartz, Cahn, Bolda, and Biscaro "Efficient Nitrogen Fertility and Irrigation Management in California Strawberry Production"