

California Gardening

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Vegetables | How should I prepare my garden for planting? | Suggested fertilizer pre-plant application rates

Suggested application rates for various fertilizers applied before planting.
(Many other materials are also available.)

	AMOUNTS PER 1,000 SQUARE FEET		
	<i>Approximate Volume (dry processed)</i>		
	<i>Pounds</i>	<i>Cubic Feet</i>	<i>Gallons</i>
ORGANIC MATERIALS			
** Poultry, goat, sheep, or rabbit manure	100-125	2 ½-3	18-20
** Steer, dairy, hog, or horse manure	300-400	7 ½-10	60-75
Blood meal	20-25	½	3
Bone meal	20-30	1/3 – ½	2 ½-3
Fish meal	20-30		
INORGANIC MATERIALS			
			<i>Pints</i>
Ammonium nitrate	4-5		5-6
Ammonium sulfate	7-8		7-8
Urea	3-4		4-5
Single superphosphate	10-12		8-10
Potassium sulfate	4-5		2 ½-3 ½
Ammonium phosphate (16-20-0)	9-10		9-10
12-12-12	12-15		11-14
16-16-16	9-10		8-9
19-9-0	7-8		7-8

- * Source: *Pests of the Small Farm and Garden*, p. 14. Originally from Hunter Johnson, 1985. *Fertilizing Vegetable Gardens*. UC Riverside, Mimeo.
- ** Caution should be used when using manures to avoid bacterial contamination on edible plant parts.