



Phosphorus Soil Fertility Recommendations for Texas Vegetable, Nut and Fruit Production

updated on 3-30-2012: soiltesting.tamu.edu

Soil, Water and Forage Testing Laboratory

**Phosphorus recommendations applicable for methods used by laboratory.
Mehlich III by ICP only.**

Mehlich III by ICP phosphorus (ppm or mg/kg) in Soil

	0	5	10	15	20	25	30	35	40	45	50	55	60
	-----lbs P2O5/acre-----												
ALOE VERA	55	50	40	35	30	25	20	15	10	5	0		
APPLES	35	30	30	25	20	15	15	10	5	0	0		
BEANS, GREEN	105	95	80	70	60	50	40	30	20	10	0		
BEANS, LIMA	105	95	80	70	60	50	40	30	20	10	0		
BEANS, PINTO	105	95	80	70	60	50	40	30	20	10	0		
BEETS	105	95	80	70	60	50	40	30	20	10	0		
Blackberries/Raspberries - Production	150	135	120	105	90	75	60	45	30	15	0		
BLUEBERRY	30	25	20	20	15	15	10	5	5	0			
BROCCOLI	105	95	85	75	70	60	50	40	35	25	15	5	0
CABBAGES	130	120	105	95	85	75	65	50	40	30	20	10	0
CABBAGES,CHINESE	130	120	105	95	85	75	65	50	40	30	20	10	0
CANE	55	50	40	35	30	25	20	15	10	5	0	0	0
CANTALOUPE	105	95	85	75	70	60	50	40	35	25	15	5	0
CARROTS	105	95	80	70	60	50	40	30	20	10	0		
CAULIFLOWER	105	95	80	70	60	50	40	30	20	10	0		
CITRUS GUIDELINES FERTILITY	80	70	60	55	45	40	30	20	15	5	0		
COLLARDS	105	95	80	70	60	50	40	30	20	10	0		
CUCUMBERS	105	95	85	75	70	60	50	40	35	25	15	5	0
EGGPLANT	105	95	85	75	70	60	50	40	35	25	15	5	0



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	0	5	10	15	20	25	30	35	40	45	50	55	60
	-----lbs P2O5/acre-----												
GARLIC	130	115	100	90	75	65	50	35	25	10	0		
GRAPES	30	25	20	20	15	15	10	5	5	0	0		
LAVENDER	125	110	95	80	65	50	35	25	10	5	0		
LETTUCE	130	115	100	90	75	65	50	35	25	10	0		
MUSTARD	105	95	80	70	60	50	40	30	20	10	0		
OKRA	80	70	60	55	45	40	30	20	15	5	0		
ONIONS	130	115	100	90	75	65	50	35	25	10	0		
ONIONS (SEEDED)	130	115	100	90	75	65	50	35	25	10	0		
ONIONS (TRANSPLANTS)	130	115	100	90	75	65	50	35	25	10	0		
PEACHES	50	45	40	35	30	25	20	15	10	5	0		
PEAS, BLACKEYE	55	50	40	35	30	25	20	15	10	5	0		
PEAS, GREEN	55	50	40	35	30	25	20	15	10	5	0		
PECANS (UPLAND GROVES)	80	70	60	55	45	40	30	20	15	5	0		
PEPPERS, CHILE	105	95	80	70	60	50	40	30	20	10	0		
PEPPERS,BELL	105	95	80	70	60	50	40	30	20	10	0		
POTATOES (EARLY VARIETY)	250	225	205	185	165	145	120	100	80	60	40	20	0
POTATOES (LATE VARIETY)	250	225	205	185	165	145	120	100	80	60	40	20	0
RADISHES	105	95	80	70	60	50	40	30	20	10	0		
SPINACH	105	95	80	70	60	50	40	30	20	10	0		



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SQUASH , SUMMER	105	95	80	70	60	50	40	30	20	10	0		
SQUASH , WINTER	105	95	80	70	60	50	40	30	20	10	0		
STRAWBERRIES (FIELD PLANTING)	105	95	80	70	60	50	40	30	20	10	0		
SUGARCANE	105	95	80	70	60	50	40	30	20	10	0		
SWEET CORN	105	95	80	70	60	50	40	30	20	10	0		
SWEET POTATOES	155	140	120	105	90	75	60	45	30	15	0		
SWISS CHARD	80	70	60	55	45	40	30	20	15	5	0		
TOMATOES	130	115	100	90	75	65	50	35	25	10	0		
TURNIPS	105	95	80	70	60	50	40	30	20	10	0		
TURNIPS, TOPS	105	95	80	70	60	50	40	30	20	10	0		
VEGETABLES , TRUCK FARM	130	115	100	90	75	65	50	35	25	10	0		
WATERMELONS	55	50	40	35	30	25	20	15	10	5	0		