

**Nitrogen Soil Fertility Recommendations for  
Texas Vegetable, Nut and Fruit Production**

1M KCl, Cd-Reduction Nitrate-N (ppm or mg/kg) in Soil

updated on 3-30-2012: [soiltesting.tamu.edu](http://soiltesting.tamu.edu)

	0	2	4	6	8	10	12	14	16	18	20
	-----lbs N/acre-----										
ALOE VERA	50	45	40	35	30	30	25	20	15	10	10
APPLES	40	35	30	25	20	20	15	10	5	0	
BEANS, GREEN	50	45	40	35	30	30	25	20	15	10	10
BEANS, LIMA	50	45	40	35	30	30	25	20	15	10	10
BEANS, PINTO	50	45	40	35	30	30	25	20	15	10	10
BEETS	70	65	60	55	50	50	45	40	35	30	30
Blackberries/Raspberries - Production	50	45	40	35	30	30	25	20	15	10	10
BLUEBERRY	60	55	50	45	40	40	35	30	25	20	20
BROCCOLI	80	75	70	65	60	60	55	50	45	40	40
CABBAGES	100	95	90	85	80	80	75	70	65	60	60
CABBAGES, CHINESE	100	95	90	85	80	80	75	70	65	60	60
CANE	60	55	50	45	40	40	35	30	25	20	20
CANTALOUPE	40	35	30	25	20	20	15	10	5	0	
CARROTS	80	75	70	65	60	60	55	50	45	40	40
CAULIFLOWER	80	75	70	65	60	60	55	50	45	40	40
CITRUS GUIDELINES FERTILITY	100	95	90	85	80	80	75	70	65	60	60
COLLARDS	80	75	70	65	60	60	55	50	45	40	40
CUCUMBERS	80	75	70	65	60	60	55	50	45	40	40
EGGPLANT	120	115	110	105	100	100	95	90	85	80	80



## Soil, Water and Forage Testing Laboratory

**Nitrogen recommendations applicable for methods used by laboratory.**

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	0	2	4	6	8	10	12	14	16	18	20
	-----lbs N/acre-----										
GARLIC	100	95	90	85	80	80	75	70	65	60	60
GRAPES	25	20	15	10	5	5	0				
LAVENDER	80	75	70	65	60	60	55	50	45	40	40
LETTUCE	100	95	90	85	80	80	75	70	65	60	60
MUSTARD	50	45	40	35	30	30	25	20	15	10	10
OKRA	40	35	30	25	20	20	15	10	5	0	
ONIONS	100	95	90	85	80	80	75	70	65	60	60
ONIONS (SEEDED)	100	95	90	85	80	80	75	70	65	60	60
ONIONS (TRANSPLANTS)	100	95	90	85	80	80	75	70	65	60	60
PEACHES	40	35	30	25	20	20	15	10	5	0	
PEAS, BLACKEYE	20	15	10	5	0						
PEAS, GREEN	60	55	50	45	40	40	35	30	25	20	20
PECANS (UPLAND GROVES)	150	145	140	135	130	130	125	120	115	110	110
PEPPERS, CHILE	60	55	50	45	40	40	35	30	25	20	20
PEPPERS,BELL	20	15	10	5	0						
POTATOES (EARLY VARIETY)	160	155	150	145	140	140	135	130	125	120	120
POTATOES (LATE VARIETY)	200	195	190	185	180	180	175	170	165	160	160
RADISHES	60	55	50	45	40	40	35	30	25	20	20
SPINACH	40	35	30	25	20	20	15	10	5	0	



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	0	2	4	6	8	10	12	14	16	18	20
	-----lbs N/acre-----										
SQUASH , SUMMER	40	35	30	25	20	20	15	10	5	0	
SQUASH , WINTER	40	35	30	25	20	20	15	10	5	0	
STRAWBERRIES (FIELD PLANTING)	40	35	30	25	20	20	15	10	5	0	
SUGARCANE	170	165	160	155	150	150	145	140	135	130	130
SWEET CORN	120	115	110	105	100	100	95	90	85	80	80
SWEET POTATOES	30	25	20	15	10	10	5	0			
SWISS CHARD	120	115	110	105	100	100	95	90	85	80	80
TOMATOES	60	55	50	45	40	40	35	30	25	20	20
TURNIPS	40	35	30	25	20	20	15	10	5	0	
TURNIPS, TOPS	60	55	50	45	40	40	35	30	25	20	20
VEGETABLES , TRUCK FARM	60	55	50	45	40	40	35	30	25	20	20
WATERMELONS	80	75	70	65	60	60	55	50	45	40	40



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	25	30	35	40	45	50	55	60	65	70	75
	-----lbs N/acre-----										
ALOE VERA	0										
APPLES											
BEANS, GREEN	0										
BEANS, LIMA	0										
BEANS, PINTO	0										
BEETS	20	10	0								
Blackberries/Raspberries - Production	0										
BLUEBERRY	10	0									
BROCCOLI	30	20	10	0							
CABBAGES	50	40	30	20	10	0					
CABBAGES, CHINESE	50	40	30	20	10	0					
CANE	10	0									
CANTALOUPE											
CARROTS	30	20	10	0							
CAULIFLOWER	30	20	10	0							
CITRUS GUIDELINES FERTILITY	50	40	30	20	10	0					
COLLARDS	30	20	10	0							
CUCUMBERS	30	20	10	0							
EGGPLANT	70	60	50	40	30	20	10	0			





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SQUASH , SUMMER

SQUASH , WINTER

STRAWBERRIES (FIELD PLANTING)

SUGARCANE

SWEET CORN

SWEET POTATOES

SWISS CHARD

TOMATOES

TURNIPS

TURNIPS, TOPS

VEGETABLES , TRUCK FARM

WATERMELONS

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1M KCl, Cd-Reduction Nitrate-N (ppm or mg/kg) in Soil

	25	30	35	40	45	50	55	60	65	70	75
	-----lbs N/acre-----										
SUGARCANE	120	110	100	90	80	70	60	50	40	30	20
SWEET CORN	70	60	50	40	30	20	10	0			
SWEET POTATOES											
SWISS CHARD	70	60	50	40	30	20	10	0			
TOMATOES	10	0									
TURNIPS											
TURNIPS, TOPS	10	0									
VEGETABLES , TRUCK FARM	10	0									
WATERMELONS	30	20	10	0							



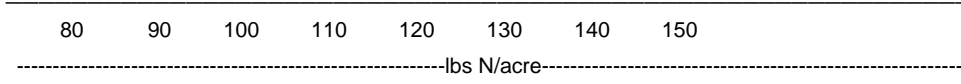
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- GARLIC
- GRAPES
- LAVENDER
- LETTUCE
- MUSTARD
- OKRA
- ONIONS
- ONIONS (SEEDED)
- ONIONS (TRANSPLANTS)
- PEACHES
- PEAS, BLACKEYE
- PEAS, GREEN
- PECANS (UPLAND GROVES)
- PEPPERS, CHILE
- PEPPERS, BELL
- POTATOES (EARLY VARIETY)
- POTATOES (LATE VARIETY)
- RADISHES
- SPINACH

40      20      0



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SQUASH , SUMMER

SQUASH , WINTER

STRAWBERRIES (FIELD PLANTING)

SUGARCANE

SWEET CORN

SWEET POTATOES

SWISS CHARD

TOMATOES

TURNIPS

TURNIPS, TOPS

VEGETABLES , TRUCK FARM

WATERMELONS

80	90	100	110	120	130	140	150
-----lbs N/acre-----							

10      0





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Additional comments which may appear on soil test reports

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ALOE VERA

APPLES

BEANS, GREEN

BEANS, LIMA

BEANS, PINTO

BEETS

Blackberries/Raspberries - Production

Apply recommended N rate at greenup and an additional 50 lbs N/acre in July.

BLUEBERRY

BROCCOLI

CABBAGES

CABBAGES, CHINESE

CANE

CANTALOUPE

CARROTS

CAULIFLOWER

CITRUS GUIDELINES FERTILITY

COLLARDS

CUCUMBERS

EGGPLANT



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SQUASH , SUMMER

SQUASH , WINTER

STRAWBERRIES (FIELD PLANTING)

SUGARCANE

SWEET CORN

SWEET POTATOES

SWISS CHARD

TOMATOES

TURNIPS

TURNIPS, TOPS

VEGETABLES , TRUCK FARM

WATERMELONS

Topdress with 40 lbs/A of nitrogen as needed to promote growth.

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