

GENERAL COMMENTS FOR VEGETABLES

1 Apply dolomitic limestone at the recommended rate. (When lime is recommended and soil test calcium and/or magnesium is low)

4 Apply 100-150 lbs magnesium sulfate, or 20-30 lbs magnesium oxide, or 90-140 lbs sulfate-of-potash-magnesium per acre, or a mixed fertilizer to supply 10-15 lbs magnesium per acre (When the soil test magnesium is low, and for Soil Codes 1, 2, or 3 when the soil pH is greater than 6.5, or for Soil Code 4 when the soil pH is greater than 7.0, or for Soil Code 6 when the soil pH is greater than 6.0)

5 Apply 100-150 lbs magnesium sulfate, or 20-30 lbs magnesium oxide, or 90-140 lbs sulfate-of-potash-magnesium per acre, or a mixed fertilizer to supply 10-15 lbs magnesium per acre, or by applying 1,000 lbs dolomitic limestone per acre. (When the soil test magnesium is low, and for Soil Codes 1, 2, or 3 when the soil pH is between 5.9 and 6.6, or for Soil Code 4 when the soil pH is between 5.9 and 7.1, or for Soil Code 6 when the soil pH is 6.0)

6 Apply 435 lbs gypsum per acre or a calcium-containing fertilizer to supply 100 lbs calcium per acre. (When the soil test calcium is low, and for Soil Codes 1, 2, or 3 when the soil pH is greater than 6.5, or for Soil Code 4 when the soil pH is greater than 7.0, or for Soil Code 6 when the soil pH is greater than 6.0)

7 Apply 435 lbs gypsum per acre, or a calcium-containing fertilizer to supply 100 lbs calcium per acre, or 500 lbs dolomitic or calcitic limestone per acre. (When the soil test calcium is low, and for Soil Codes 1, 2, or 3 when the soil pH is between 5.9 and 6.6, or for Soil Code 4 when the soil pH is between 5.9 and 7.1, or for Soil Code 6 when the soil pH is 6.0)

9 Apply 10 lbs sulfur per acre, or sufficient sulfur-containing fertilizer to supply this amount. (For Soil Codes 1 and 2 – omit onions 067 and 068)

105 To convert nitrogen, phosphate, and potash recommendations from pounds per acre to pounds per 1,000 square feet (or each 300 feet of row), divide by 43.5.

650 Level of soil test zinc is potentially toxic at the current soil test pH. Lime according to recommendations. If the pH is greater than 6.2, consult your local county Extension office or the Home and Garden Information Center at 1-888-656-9988. (If soil test zinc is greater than 40 lbs per acre)

653 Soil test zinc is low, however, this is not a zinc sensitive crop, therefore no zinc is recommended. (When soil test zinc is low. All crops except sweet corn)

Crop Code No. 051 or 066

Asparagus, Establishment (051) or Maintenance (066)

Soil Groups 1, 2, 3, or 4	Desired pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	100-200-200	100-200-150	100-200-75	100-200-50	100-200-0
Medium	100-100-200	100-100-150	100-100-75	100-100-50	100-100-0
Sufficient	100- 75-200	100- 75-150	100- 75-75	100- 75-50	100- 75-0
High	100- 50-200	100- 50-150	100- 50-75	100- 50-50	100- 50-0
Excessive	100- 0-200	100- 0-150	100- 0-75	100- 0-50	100- 0-0

COMMENTS (1, 4, 5, 6, 7, 9, 105, 119, 650, 652, 653)

051 - Establishment

119 Broadcast recommended phosphate and potash fertilizer and incorporate within the surface 6 inches of soil before planting. Sidedress with 50 lbs nitrogen per acre at first cultivation.

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 120, 240, 650, 652, 653)

066 - Maintenance

120 Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash fertilizer before cutting season. Sidedress with 50 lbs nitrogen per acre after cutting.

240 This is a boron sensitive crop. Apply with the broadcast fertilizer 2 lbs boron per acre every three years. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 060, 123, 124, 070, 130, 125, or 126

Beets (060), Turnips (123), Rutabaga (124), Pole Beans (070), Radish (130), Parsnip (125), or English Pea (126)

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-150-150	#-150-100	#-150-75	#-150-50	#-150-0
Medium	#-100-150	#-100-100	#-100-75	#-100-50	#-100-0

Sufficient	#- 50-150	#- 50-100	#- 50-75	#- 50-50	#- 50-0
High	#- 0-150	#- 0-100	#- 0-75	#- 0-50	#- 0-0
Excessive	#- 0-150	#- 0-100	#- 0-75	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 134, 650, 651, 652, 653)

Beets, Turnips, Rutabaga

134 Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 25 to 50 lbs nitrogen per acre 4 to 6 weeks after planting.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 13, 104, 105, 170, 650, 651, 652, 653)

Pole Beans

13 This is a manganese sensitive crop. Apply 10 lbs manganese per acre with the fertilizer when manganese deficiency has been observed in previous years. When manganese deficiency symptoms occur, confirm by a plant analysis. Apply manganese as a foliar spray either singularly or mixed with a pesticide. Make one or two applications of 1 lb manganese per acre.

104 Band one-half recommended fertilizer 3 inches to the side and slightly below the seed. Broadcast the remainder. If all of the fertilizer is broadcast, increase the rate by one-third to one-half.

170 Sidedress with 25 lbs nitrogen per acre at the first cultivation and again as soon as possible before stringing. Add additional nitrogen if heavy leaching rains occur. Total nitrogen should be 100 to 140 lbs nitrogen per acre.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 135, 241, 650, 652, 653)

Radish

135 Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 136, 241, 650, 652, 653)

Parsnip

136 Broadcast 25 to 50 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 25 to 50 lbs nitrogen per acre 4 to 5 weeks after planting if needed.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 137, 138, 650, 651, 652, 653)

English Pea

137 For spring plowed, broadcast 40 to 60 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting.

138 For fall plowed, broadcast 60 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 061, 120, 062, or 079

Broccoli (061), Brussel Sprouts (120), Cabbage (062), or Cauliflower (079)

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
	Phosphorus	Potassium			
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-200-200	#-200-100	#-200-75	#-200-50	#-200-0
Medium	#-100-200	#-100-100	#-100-75	#-100-50	#-100-0
Sufficient	#- 50-200	#- 50-100	#- 50-75	#- 50-50	#- 50-0
High	#- 0-200	#- 0-100	#- 0-75	#- 0-50	#- 0-0
Excessive	#- 0-200	#- 0-100	#- 0-75	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 139, 242, 650, 652, 653)

Broccoli

139 Broadcast 50 to 100 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress at 2 to 3 weeks after planting with 50 lbs

nitrogen per acre and 50 lbs each of phosphate and potash when soil test level for both is low. Sidedress with 25 lbs nitrogen per acre 2 to 3 weeks after initial sidedressing.

242 This is a boron sensitive crop. Apply with broadcast fertilizer 2 to 3 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 140, 242, 243, 650, 652, 653)

Brussel Sprouts, Cabbage, Cauliflower

140 Broadcast 50 to 75 lbs nitrogen per acre and the recommended phosphate and potash, and work into the soil before planting. Sidedress with 25 to 50 lbs nitrogen per acre 2 to 3 weeks after seeding, and later the same amount depending on the weather.

242 This is a boron sensitive crop. Apply with broadcast fertilizer 2 to 3 lbs boron per acre. (When soil test boron is not excessive)

243 Apply with broadcast fertilizer 0.5 lbs sodium molybdate.

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 052 or 132

**Cantaloupes and Mixed Melons
bareground (052) or plasticulture (132)**

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-150-200	#-150-150	#-150-100	#-150-75	#-150-0
Medium	#-100-200	#-100-150	#-100-100	#-100-75	#-100-0
Sufficient	#- 75-200	#- 75-150	#- 75-100	#- 75-75	#- 75-0
High	#- 50-200	#- 50-150	#- 50-100	#- 50-75	#- 50-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-75	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 122, 241, 650, 652, 653)

Bareground

122 Broadcast 25 to 50 lbs nitrogen per acre and three-quarters of the recommended phosphate and potash fertilizer and work into the soil prior to planting. Band-place with planter 25 lbs each of nitrogen, phosphate and potash per acre at planting. Sidedress with 25 to 40 lbs nitrogen per acre when vines begin to run.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 123, 241, 650, 652, 653)

Plasticulture

123 Broadcast 35 lbs nitrogen per acre and three-quarters of the recommended phosphate and potash fertilizer and work into the soil prior to planting. Band-place with the planter 105 lbs nitrogen, 25 lbs phosphate and potash per acre at planting.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test born is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 063

Carrot

Soil Groups 1, 2, 3, or 4			Desire pH 6.0 – 6.5		
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-150-150	#-150-100	#-150-75	#-150-50	#-150-0
Medium	#-100-150	#-100-100	#-100-75	#-100-50	#-100-0
Sufficient	#- 50-150	#- 50-100	#- 50-75	#- 50-50	#- 50-0
High	#- 0-150	#- 0-100	#- 0-75	#- 0-50	#- 0-0
Excessive	#- 0-150	#- 0-100	#- 0-75	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 141, 241, 650, 652, 653)

141 Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 25 to 30 lbs nitrogen per acre if needed.

241 This is a boron sensitive crop. Apply with broadcast fertilizer 1 or 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 053 or 133

Cucumbers

Bareground(053) or Plasticulture(133)

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-150-200	#-150-150	#-150-100	#-150-75	#-150-0
Medium	#-100-200	#-100-150	#-100-100	#-100-75	#-100-0
Sufficient	#- 75-200	#- 75-150	#- 75-100	#- 75-75	#- 75-0
High	#- 50-200	#- 50-150	#- 50-100	#- 50-75	#- 50-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-75	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 124, 650, 651, 652, 653)

Bareground

124 Broadcast 40 to 100 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Band place with the planter 10 to 14 days after planting, 20 to 30 lbs nitrogen, 25 lbs phosphate and 25 lbs potash per acre. Sidedress with 20 to 30 lbs nitrogen per acre when vines begin to run.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 125, 126, 650, 651, 652, 653)

Plasticulture

125 Broadcast 25 lbs nitrogen per acre, the recommended phosphate, and one-third potash fertilizer and work into the soil prior to planting.

126 Fertigate with 95 to 125 lbs nitrogen per acre and two-thirds the recommended potash.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 065 or 134

**Eggplant
Bareground(065) or Plasticulture(134)**

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-250-200	#-250-100	#-250-75	#-250-50	#-250-0

Medium	#-150-200	#-150-100	#-150-75	#-150-50	#-150-0
Sufficient	#-100-200	#-100-100	#-100-75	#-100-50	#-100-0
High	#- 50-200	#- 50-100	#- 50-75	#- 50-50	#- 50-0
Excessive	#- 0-200	#- 0-100	#- 0-75	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 142, 241, 650, 652, 653)

Bareground

142 Broadcast 50 to 100 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 25 to 50 lbs nitrogen per acre 3 to 4 weeks after planting, and then again 6 to 8 weeks later.

241 This is a boron sensitive crop. Apply with broadcast fertilizer 1 and 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 143, 241, 650, 652, 653)

Plasticulture

143 Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Fertigate with 95 lbs nitrogen and 140 lbs potash if soil test potassium is low and 70 lbs potash if soil test potassium is medium.

241 This is a boron sensitive crop. Apply with broadcast fertilizer 1 or 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 072, 064, or 121

Leafy Greens and Kale (072), Collards (064), Mustard (121)

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-150-150	#-150-100	#-150-75	#-150-50	#-150-0
Medium	#-100-150	#-100-100	#-100-75	#-100-50	#-100-0
Sufficient	#- 75-150	#- 75-100	#- 75-75	#- 75-50	#- 75-0
High	#- 50-150	#- 50-100	#- 50-75	#- 50-50	#- 50-0
Excessive	#- 0-150	#- 0-100	#- 0-75	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 146, 241, 650, 652, 653)

146 Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 25 to 30 lbs nitrogen per acre if needed.

241 This is a boron sensitive crop. Apply with broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 122 or 127

Leek (122) or Parsley (127)

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-200-200	#-200-150	#-200-100	#-200-50	#-200-0
Medium	#-150-200	#-150-150	#-150-100	#-150-50	#-150-0
Sufficient	#-100-200	#-100-150	#-100-100	#-100-50	#-100-0
High	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 164, 241, 650, 652, 653)

Leek

164 Broadcast 50 to 75 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 25 to 50 lbs nitrogen per acre 3 to 4 weeks after planting if needed.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

COMMENTS (1, 4, 5, 6, 7, 9, 105, 165, 650, 651, 652, 653)

Parsley

165 Broadcast 50 to 75 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 25 to 50 lbs nitrogen per acre after first cutting and 25 to 50 lbs nitrogen per acre after each additional cutting.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 054**Lettuce (Endive, Escarole, Leaf, and Romaine)**

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-200-200	#-200-150	#-200-100	#-200-75	#-200-0
Medium	#-150-200	#-150-150	#-150-100	#-150-75	#-150-0
Sufficient	#-100-200	#-100-150	#-100-100	#-100-75	#-100-0
High	#- 50-200	#- 50-150	#- 50-100	#- 50-75	#- 50-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-75	#- 0-0

COMMENTS (1, 4, 5, 6, 7, 9, 105, 127, 650, 651, 652, 653)

127 Broadcast 50 to 100 lbs nitrogen per acre and the recommended phosphate and potash fertilizer work into the soil prior to planting. Sidedress with 25 to 50 lbs nitrogen per acre 3 to 5 weeks after planting.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 055**Lima Beans**

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-120-160	#-120-120	#-120-80	#-120-40	#-120-0
Medium	#- 80-160	#- 80-120	#- 80-80	#- 80-40	#- 80-0
Sufficient	#- 40-160	#- 40-120	#- 40-80	#- 40-40	#- 40-0
High	#- 20-160	#- 20-120	#- 20-80	#- 20-40	#- 20-0
Excessive	#- 0-160	#- 0-120	#- 0-80	#- 0-40	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 13, 105, 128, 650, 651, 653)

13 This is a manganese sensitive crop. Apply 10 lbs manganese per acre with the fertilizer when manganese deficiency has been observed in previous years. When manganese deficiency symptoms occur, confirm by a plant analysis. Apply manganese as a foliar spray

either singularly or mixed with a pesticide. Make one or two applications of 1 lb manganese per acre.

128 Broadcast 25 to 50 lbs nitrogen per acre and the recommended phosphate and potash fertilizer and work into the soil prior to planting. Band-place 20 lbs nitrogen per acre with planter at planting. Sidedress with 25 to 40 lbs nitrogen per acre 3 to 5 weeks after emergence.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

Crop Code No. 056

Okra

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-250-200	#-250-150	#-250-100	#-250-50	#-250-0
Medium	#-150-200	#-150-150	#-150-100	#-150-50	#-150-0
Sufficient	#-100-200	#-100-150	#-100-100	#-100-50	#-100-0
High	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 129, 241, 650, 652, 653)

129 Broadcast 50 to 100 lbs nitrogen per acre and the recommended phosphate and potash fertilizer and work into the soil prior to planting. Sidedress with 25 to 50 lbs nitrogen per acre 3 to 4 weeks after planting, and sidedress again with 25 to 50 lbs nitrogen per acre 6 to 8 weeks after planting.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 068

Onions, Bulb

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-200-200	#-200-100	#-200-75	#-200-50	#-200-0

Medium	#-150-200	#-150-100	#-150-75	#-150-50	#-150-0
Sufficient	#-100-200	#-100-100	#-100-75	#-100-50	#-100-0
High	#- 50-200	#- 50-100	#- 50-75	#- 50-50	#- 50-0
Excessive	#- 0-200	#- 0-100	#- 0-75	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 105, 152, 241, 244, 650, 652, 653)

152 Broadcast 50 to 75 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 50 to 75 lbs nitrogen per acre 4 to 5 weeks after planting.

241 This is a boron sensitive crop. Apply with broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

244 Apply with broadcast fertilizer 20 lbs sulfur per acre.

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 067

Onions, Green

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-200-200	#-200-150	#-200-100	#-200-50	#-200-0
Medium	#-100-200	#-100-150	#-100-100	#-100-50	#-100-0
Sufficient	#- 50-200	#- 50-150	#- 50-100	#- 50-50	#- 50-0
High	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 105, 155, 244, 241, 650, 652, 653)

155 Broadcast 50 to 75 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 50 lbs nitrogen per acre 4 to 6 weeks after planting and then again 3 to 4 week before harvest.

241 This is a boron sensitive crop. Apply with broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

244 Apply with broadcast fertilizer 20 lbs sulfur per acre.

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 073

Peas, Blackeyed and Southern

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	15-100-100	15-100-75	15-100-50	15-100-0	15-100-0
Medium	15- 50-100	15- 50-75	15- 50-50	15- 50-0	15- 50-0
Sufficient	15- 0-100	15- 0-75	15- 0-50	15- 0-0	15- 0-0
High	15- 0-100	15- 0-75	15- 0-50	15- 0-0	15- 0-0
Excessive	15- 0-100	15- 0-75	15- 0-50	15- 0-0	15- 0-0

COMMENTS (1, 4, 5, 6, 7, 9, 28, 105, 151, 158, 650, 652, 653)

28 This is a boron sensitive crop. Apply 0.5 lbs boron per acre in fertilizer.
(Recommended when soil test boron is less than 3.0 lbs per acre)

151 Cowpea strains of *Rhizobium* are effective inocula for southern peas. Use a commercial peat-based inoculum specified for cowpeas. When inoculated at planting, the recommended nitrogen rate is not required. High rates of nitrogen will depress nitrogen fixation.

158 Broadcast 15 lbs nitrogen per acre and the recommended phosphate and potash fertilizer and work into the soil prior to planting.

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 069

Pepper (bareground)

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-200-200	#-200-150	#-200-100	#-200-50	#-200-0
Medium	#-150-200	#-150-150	#-150-100	#-150-50	#-150-0
Sufficient	#-100-200	#-100-150	#-100-100	#-100-50	#-100-0
High	#- 50-200	#- 50-150	#- 50-100	#- 50-50	#- 50-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 153, 650, 651, 652, 653)

153 Broadcast 50 lbs nitrogen per acre and recommended phosphate and potash and work into the soil prior to planting. Sidedress with 50 lbs nitrogen per acre after first fruit set, and then again later in the season if needed.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 131

Pepper (plasticulture)

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-200-360	#-200-150	#-200-100	#-200-50	#-200-0
Medium	#-150-360	#-150-150	#-150-100	#-150-50	#-150-0
Sufficient	#-100-360	#-100-150	#-100-100	#-100-50	#-100-0
High	#- 50-360	#- 50-150	#- 50-100	#- 50-50	#- 50-0
Excessive	#- 0-360	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 154, 650, 651, 652, 653)

154 Broadcast 50 lbs nitrogen per acre, the recommended phosphate, and one-third of the potash and work into the soil prior to planting. Apply 135 lbs nitrogen per acre and two-thirds of the potash recommendation through the drip irrigation system. Sidedress with 25 to 30 lbs nitrogen per acre later in the season if needed.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 095

Potatoes, Irish

Soil Groups 1 or 2		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-110-200	#-110-150	#-110-100	#-110-50	#-110-0
Medium	#- 90-200	#- 90-150	#- 90-100	#- 90-50	#- 90-0

Sufficient	#- 70-200	#- 70-150	#- 70-100	#- 70-50	#- 70-0
High	#- 50-200	#- 50-150	#- 50-100	#- 50-50	#- 50-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 28, 105, 107, 156, 650, 652, 653)

28 This is a boron sensitive crop. Apply 0.5 lbs boron per acre in fertilizer.
(Recommended when soil test boron is less than 3.0 lbs per acre)

107 For scab-susceptible varieties, maintain soil pH between 5.0 and 5.5.

156 Broadcast 85 to 135 lbs nitrogen with the recommended phosphate and potash fertilizer and work into the ground when preparing for planting. Band-place 15 lbs nitrogen and 50 lbs phosphate fertilizer per acre at planting.

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 095

Potatoes, Irish

Soil Groups 3 or 4	Desire pH 6.0 – 6.5				
	Phosphorus		Potassium		
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-200-300	#-200-200	#-200-100	#-200-50	#-200-0
Medium	#-150-300	#-150-200	#-150-100	#-150-50	#-150-0
Sufficient	#-100-300	#-100-200	#-100-100	#-100-50	#-100-0
High	#- 50-300	#- 50-200	#- 50-100	#- 50-50	#- 50-0
Excessive	#- 0-300	#- 0-200	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 28, 105, 107, 157, 650, 652, 653)

28 This is a boron sensitive crop. Apply 0.5 lbs boron per acre in fertilizer.
(Recommended when soil test boron is less than 3.0 lbs per acre)

107 For scab-susceptible varieties, maintain soil pH between 5.0 and 5.5.

157 Broadcast 50 lbs nitrogen with the recommended phosphate and potash fertilizer and work into the soil prior to planting. Sidedress with 100 lbs nitrogen per acre 4 to 5 weeks after planting.

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 076

Potatoes, Sweet

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-200-300	#-200-200	#-200-150	#-200-100	#-200-0
Medium	#-100-300	#-100-200	#-100-150	#-100-100	#-100-0
Sufficient	#- 50-300	#- 50-200	#- 50-150	#- 50-100	#- 50-0
High	#- 0-300	#- 0-200	#- 0-150	#- 0-100	#- 0-0
Excessive	#- 0-300	#- 0-200	#- 0-150	#- 0-100	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 13, 105, 160, 245, 650, 653)

13 This is a manganese sensitive crop. Apply 10 lbs manganese per acre with the fertilizer when manganese deficiency has been observed in previous years. When manganese deficiency symptoms occur, confirm by a plant analysis. Apply manganese as a foliar spray either singularly or mixed with a pesticide. Make one or two applications of 1 lb manganese per acre.

160 Broadcast all the recommended phosphate and half of the recommended potash fertilizer and work into the soil prior to planting. Sidedress with 50 to 80 lbs nitrogen per acre and the remainder of the recommended potash 21 to 28 days later after planting.

245 This is a boron sensitive crop. Apply with broadcast fertilizer 0.5 lbs boron per acre, or foliar apply 0.25 lbs boron per acre 40 to 80 days after planting. (When soil test boron is not excessive)

Crop Code No. 014 or 058

Pumpkin (014) or Winter Squash (058)

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-150-200	#-150-150	#-150-100	#-150-50	#-150-0
Medium	#-100-200	#-100-150	#-100-100	#-100-50	#-100-0
Sufficient	#- 75-200	#- 75-150	#- 75-100	#- 75-50	#- 75-0
High	#- 50-200	#- 50-150	#- 50-100	#- 50-50	#- 50-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 121, 650, 651, 652, 653)

121 Broadcast 25 to 50 lbs nitrogen per acre and recommended phosphate and potash and work into the soil prior to planting. Sidedress with 20 to 30 lbs nitrogen per acre when the vines begin to run.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore boron is not recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 057

Snapbeans

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-80-80	#-80-60	#-80-40	#-80-0	#-80-0
Medium	#-60-80	#-60-60	#-60-40	#-60-0	#-60-0
Sufficient	#-40-80	#-40-60	#-40-40	#-40-0	#-40-0
High	#- 0-80	#- 0-60	#- 0-40	#- 0-0	#- 0-0
Excessive	#- 0-80	#- 0-60	#- 0-40	#- 0-0	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 13, 105, 130, 650, 651, 653)

13 Apply 10 lbs manganese per acre with the fertilizer when manganese deficiency has been observed in previous years. When manganese deficiency symptoms occur, confirm by a plant analysis. Apply manganese as a foliar spray either singularly or mixed with a pesticide. Make one or two applications of 1 lb manganese per acre.

130 Broadcast 20 to 40 lbs nitrogen per acre and half the recommended phosphate and half of the recommended potash, and work into the soil prior to planting. Band-place with the planter 20 to 40 lbs nitrogen per acre and half the recommended phosphate and half of the recommended potash fertilizers next to the seed row.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

Crop Code No. 071

Spinach

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				

Low	#-200-200	#-200-150	#-200-100	#-200-50	#-200-0
Medium	#-150-200	#-150-150	#-150-100	#-150-50	#-150-0
Sufficient	#-100-200	#-100-150	#-100-100	#-100-50	#-100-0
High	#- 50-200	#- 50-150	#- 50-100	#- 50-50	#- 50-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 144, 145, 650, 651, 652, 653)

144 **Fall** - Broadcast 50 to 75 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress or topdress with 25 to 50 lbs nitrogen per acre.

145 **Overwinter** - Broadcast 50 to 80 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress or topdress with 50 to 80 lbs nitrogen per acre in late February, and then 30 to 40 lbs nitrogen per acre in late March.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 129

Summer Squash

Soil Groups 1, 2, 3, or 4	Desire pH 6.0 – 6.5				
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-150-150	#-150-100	#-150-75	#-150-50	#-150-0
Medium	#-100-150	#-100-100	#-100-75	#-100-50	#-100-0
Sufficient	#- 75-150	#- 75-100	#- 75-75	#- 75-50	#- 75-0
High	#- 50-150	#- 50-100	#- 50-75	#- 50-50	#- 50-0
Excessive	#- 0-150	#- 0-100	#- 0-75	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 131, 241, 650, 652, 653)

131 Broadcast 25 to 50 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil prior to planting. Sidedress with 50 lbs nitrogen per acre when vines start to run. Apply 25 to 50 lbs nitrogen per acre through the irrigation system.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 075

Sweet Corn

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-160-160	#-160-120	#-160-80	#-160-20	#-160-0
Medium	#-120-160	#-120-120	#-120-80	#-120-20	#-120-0
Sufficient	#- 80-160	#- 80-120	#- 80-80	#- 80-20	#- 80-0
High	#- 20-160	#- 20-120	#- 20-80	#- 20-20	#- 20-0
Excessive	#- 0-160	#- 0-120	#- 0-80	#- 0-20	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 63, 105, 159, 241, 650, 652, 653)

63 This is a zinc sensitive crop. Fertilizer should contain sufficient zinc to supply 5 to 10 lbs zinc per acre. (When soil test zinc is not excessive)

159 Broadcast 40 to 60 lbs nitrogen per acre and the recommended phosphate and potash and work into the soil 3 weeks prior planting. Band-place 20 lbs each of nitrogen, phosphate and potash per acre with the planter. Sidedress with 50 to 75 lbs nitrogen per acre when the plants are 12 to 18 inches tall. On very sandy soils, sidedress with 40 lbs nitrogen per acre when plants are 3 to 6 inches tall and another 40 lbs nitrogen per acre when plants are 12 to 18 inches tall.

241 This is a boron sensitive crop. Apply with broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 078

Tomatoes (bareground)

Soil Groups 1 or 2		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-200-250	#-200-150	#-200-100	#-200-50	#-200-0
Medium	#-150-250	#-150-150	#-150-100	#-150-50	#-150-0
Sufficient	#-100-250	#-100-150	#-100-100	#-100-50	#-100-0

High	#-	0-250	#-	0-150	#-	0-100	#-	0-50	#-	0-0
Excessive	#-	0-250	#-	0-150	#-	0-100	#-	0-50	#-	0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 75, 105, 162, 241, 650, 652, 653)

75 Apply 15 to 20 lbs magnesium fertilizer per acre prior to planting. Using dolomitic limestone when liming is required should maintain soil test calcium and magnesium at the desired level for tomatoes. (When lime is not required for all codes and soil test magnesium is medium or low)

162 Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash fertilizer and work into the soil prior to planting. Sidedress with 20 to 30 lbs nitrogen when first fruits are set.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 078

Tomatoes (bareground)

Soil Groups 3 or 4		Desire pH 6.0 – 6.5				
Phosphorus	Potassium					
	Low	Medium	Sufficient	High	Excessive	
	<i>Pounds of N-P₂O₅-K₂O per acre</i>					
Low	#-200-300	#-200-200	#-200-150	#-200-100	#-200-0	
Medium	#-150-300	#-150-200	#-150-150	#-150-100	#-150-0	
Sufficient	#-100-300	#-100-200	#-100-150	#-100-100	#-100-0	
High	#- 0-300	#- 0-200	#- 0-150	#- 0-100	#- 0-0	
Excessive	#- 0-300	#- 0-200	#- 0-150	#- 0-100	#- 0-0	

#see comments

COMMENTS (1, 4, 5, 6, 7, 75, 105, 161, 241, 650, 652, 653)

75 Apply 15 to 20 lbs magnesium fertilizer per acre prior to planting. Using dolomitic limestone when liming is required should maintain soil test calcium and magnesium at the desired level for tomatoes. (When lime is not required for all codes and soil test magnesium is medium)

161 Broadcast 40 to 45 lbs nitrogen per acre and the recommended phosphate and potash fertilizer and work into the soil prior to planting. Sidedress with 40 to 45 lbs nitrogen when first fruits are set.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 128

Tomatoes (plasticulture)

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-200-440	#-200-345	#-200-250	#-200-125	#-200-0
Medium	#-150-440	#-150-345	#-150-250	#-150-125	#-150-0
Sufficient	#-100-440	#-100-345	#-100-250	#-100-125	#-100-0
High	#- 0-440	#- 0-345	#- 0-250	#- 0-125	#- 0-0
Excessive	#- 0-440	#- 0-345	#- 0-250	#- 0-125	#- 0-0

see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 163, 241, 650, 652, 653)

163 Broadcast 50 lbs nitrogen per acre and all of the recommended phosphate and one-third of the potash and work into the soil prior to planting. Apply 160 lbs nitrogen per acre and the remaining two-thirds of the potash through the irrigation system.

241 This is a boron sensitive crop. Apply with the broadcast fertilizer 1 to 2 lbs boron per acre. (When soil test boron is not excessive)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)

Crop Code No. 059

Watermelon

Soil Groups 1, 2, 3, or 4		Desire pH 6.0 – 6.5			
Phosphorus	Potassium				
	Low	Medium	Sufficient	High	Excessive
	<i>Pounds of N-P₂O₅-K₂O per acre</i>				
Low	#-150-200	#-150-150	#-150-100	#-150-50	#-150-0
Medium	#-100-200	#-100-150	#-100-100	#-100-50	#-100-0
Sufficient	#- 75-200	#- 75-150	#- 75-100	#- 75-50	#- 75-0
High	#- 50-200	#- 50-150	#- 50-100	#- 50-50	#- 50-0
Excessive	#- 0-200	#- 0-150	#- 0-100	#- 0-50	#- 0-0

#see comments

COMMENTS (1, 4, 5, 6, 7, 9, 105, 132, 133, 650, 651, 652, 653)

132 *Nonirrigated* - Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash fertilizer and work into the soil prior to planting. Sidedress with 25 to 40 lbs nitrogen per acre when the vines begin to run.

133 *Irrigated* - Broadcast 50 lbs nitrogen per acre and the recommended phosphate and potash fertilizer and work into the soil prior to planting. Topdress with 50 lbs nitrogen per acre when vines begin to run. Topdress again with 25 to 50 lbs nitrogen per acre at first fruit set.

651 The soil test boron is low, however, this is not a boron sensitive crop, therefore no boron is recommended. (When soil test boron is low)

652 The soil test manganese is low, however, this is not a manganese sensitive crop, therefore no manganese is recommended. (When soil test manganese is low)