

Agro-One Soil Analysis

with Cornell Nutrient Guidelines

Agro-One
730 Warren Road
Ithaca, NY 14850
Phone: (800) 344-2697
Fax: (607) 257-1350
www.dairyone.com



Lab Sample ID: **70947940**
Field/Location: MONDAY GROUP 1
Date Sampled: 10/03/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	160					
Potassium (K)	599					
Calcium (Ca)	5,232					
Magnesium (Mg)	573					

Element	Value	Element	Value	Element	Value
Soil pH	6.8	Manganese (Mn), lbs/acre	15.3	Organic Matter, %	6.0
Buffer pH	6.4	Zinc (Zn), lbs/acre	2.8		
Iron (Fe), lbs/acre	10.2	Aluminum (Al), lbs/acre	19.0		

Crop History (1 = last year, etc.)

Year Crop

- 3 Mixed Vegetables
- 2 Mixed Vegetables
- 1 Tomatoes-All Others

Soil Fertilizer Recommendations

Year Crop	tons / acre		lbs / acre	
	Lime	N Range	P2O5 Range	K2O
1 Mixed Vegetables	0.00	120 - 140	20	0.00

Comments

For assistance interpreting your report, contact your local Cooperative Extension office at 607-272-2292.

Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70947950**
Field/Location: MONDAY GROUP 2
Date Sampled: 10/03/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	40					
Potassium (K)	493					
Calcium (Ca)	3,310					
Magnesium (Mg)	409					

Element	Value	Element	Value	Element	Value
Soil pH	6.3	Manganese (Mn), lbs/acre	12.8	Organic Matter, %	4.3
Buffer pH	6.1	Zinc (Zn), lbs/acre	1.4		
Iron (Fe), lbs/acre	7.4	Aluminum (Al), lbs/acre	32.2		

Crop History (1 = last year, etc.)

Year Crop

- 3 Grasses Seeding
- 2 Grasses Maintenance
- 1 Grasses Seeding

Soil Fertilizer Recommendations

Year Crop	tons / acre		lbs / acre	
	Lime	N Range	P2O5 Range	K2O
1 Mixed Vegetables	0.00	120 - 140	40	0.00

Comments

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Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 Less sidedressed N will be required if legumes or manure have been incorporated prior to planting.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70947960**
Field/Location: MONDAY GROUP 3
Date Sampled: 10/03/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	4					
Potassium (K)	322					
Calcium (Ca)	3,609					
Magnesium (Mg)	308					

Element	Value	Element	Value	Element	Value
Soil pH	6.5	Manganese (Mn), lbs/acre	23.1	Organic Matter, %	5.5
Buffer pH	6.2	Zinc (Zn), lbs/acre	1.5		
Iron (Fe), lbs/acre	6.0	Aluminum (Al), lbs/acre	31.0		

Crop History (1 = last year, etc.)

Year Crop

- 3 Apples
- 2 Apples
- 1 Apples

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Apples	0.00	0 - 15	45	0.00

Comments

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Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 N rates given above are to be used as a guide only if leaf analyses results are unavailable.

Yr1 Apply 150 lbs Mg/acre as sulfates of Mg.

Yr1 A subsoil sample for your orchard was not found.

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Lab Sample ID: **70947970**
Field/Location: MONDAY GROUP 4
Date Sampled: 10/03/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	170					
Potassium (K)	744					
Calcium (Ca)	4,743					
Magnesium (Mg)	599					

Element	Value	Element	Value	Element	Value
Soil pH	6.8	Manganese (Mn), lbs/acre	14.9	Organic Matter, %	5.8
Buffer pH	6.4	Zinc (Zn), lbs/acre	2.2		
Iron (Fe), lbs/acre	6.1	Aluminum (Al), lbs/acre	16.3		

Crop History (1 = last year, etc.)

Year Crop

- 3 Mixed Vegetables
- 2 Tomatoes-All Others
- 1 Chard

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Onion-Seeded	0.00	100 - 125	20	0.00

Comments

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Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 70 lbs/acre of N with P2O5 and K2O, broadcast 50% after plowing and band the remainder.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress an additional 30 - 40 lbs/acre of N about four weeks after planting.

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Lab Sample ID: **70947980**
Field/Location: TUESDAY GROUP 1
Date Sampled: 10/04/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	435					
Potassium (K)	1,050					
Calcium (Ca)	8,950					
Magnesium (Mg)	1,101					

Element	Value	Element	Value	Element	Value
Soil pH	7.3	Manganese (Mn), lbs/acre	32.8	Aluminum (Al), lbs/acre	17.9
Iron (Fe), lbs/acre	10.9	Zinc (Zn), lbs/acre	4.5	Organic Matter, %	8.9

Crop History (1 = last year, etc.)

Year Crop

- 3 Mixed Vegetables
- 2 Mixed Vegetables
- 1 Mixed Vegetables

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Mixed Vegetables	0.00	120 - 140	20	0.00
2	Mixed Vegetables	0.00	120 - 140	20	0.00
3	Mixed Vegetables	0.00	120 - 140	20	0.00

Comments

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Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

Yr2 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr2 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr2 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr2 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr2 Apply 100 lbs/acre of N at or near planting time.

Yr2 Broadcast 50% and apply the remainder in bands when setting plants.

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Lab Sample ID: **70947980**
Field/Location: TUESDAY GROUP 1
Date Sampled: 10/04/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

- Yr2 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.
- Yr2 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.
- Yr2 Additional sidedressed N should not be required unless there was leaching from heavy rains.
- Yr3 Do not exceed 80 - 100 lbs/acre of N + K₂O in the fertilizer band. If more K₂O is required, plowdown or broadcast before planting.
- Yr3 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.
- Yr3 K₂O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.
- Yr3 Your soil appears to be fine textured. For these soils the K₂O fertilizer recommendation can be adjusted 20% downward.
- Yr3 Apply 100 lbs/acre of N at or near planting time.
- Yr3 Broadcast 50% and apply the remainder in bands when setting plants.
- Yr3 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.
- Yr3 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.
- Yr3 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70947990**
Field/Location: TUESDAY GROUP 2
Date Sampled: 10/04/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	579					
Potassium (K)	1,175					
Calcium (Ca)	8,984					
Magnesium (Mg)	1,172					

Element	Value	Element	Value	Element	Value
Soil pH	7.2	Manganese (Mn), lbs/acre	29.1	Aluminum (Al), lbs/acre	17.2
Iron (Fe), lbs/acre	10.2	Zinc (Zn), lbs/acre	4.8	Organic Matter, %	10.7

Crop History (1 = last year, etc.)

Year Crop

- 3 Mixed Vegetables
- 2 Mixed Vegetables
- 1 Mixed Vegetables

Soil Fertilizer Recommendations

Year Crop	tons / acre		lbs / acre	
	Lime	N Range	P2O5 Range	K2O
1 Mixed Vegetables	0.00	120 - 140	20	0.00

Comments

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Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70948000**
Field/Location: TUESDAY GROUP 3
Date Sampled: 10/04/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	739					
Potassium (K)	1,384					
Calcium (Ca)	10,296					
Magnesium (Mg)	1,544					

Element	Value	Element	Value	Element	Value
Soil pH	7.3	Manganese (Mn), lbs/acre	31.9	Aluminum (Al), lbs/acre	14.8
Iron (Fe), lbs/acre	10.7	Zinc (Zn), lbs/acre	6.0	Organic Matter, %	11.4

Crop History (1 = last year, etc.)

Year Crop

- 2 Mixed Vegetables
- 1 Mixed Vegetables

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Mixed Vegetables	0.00	120 - 140	20	0.00
2	Mixed Vegetables	0.00	120 - 140	20	0.00
3	Mixed Vegetables	0.00	120 - 140	20	0.00

Comments

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These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedress N should not be required unless there was leaching from heavy rains.

Yr2 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr2 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr2 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr2 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr2 Apply 100 lbs/acre of N at or near planting time.

Yr2 Broadcast 50% and apply the remainder in bands when setting plants.

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Lab Sample ID: **70948000**
Field/Location: TUESDAY GROUP 3
Date Sampled: 10/04/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

- Yr2 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.
- Yr2 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.
- Yr2 Additional sidedressed N should not be required unless there was leaching from heavy rains.
- Yr3 Do not exceed 80 - 100 lbs/acre of N + K₂O in the fertilizer band. If more K₂O is required, plowdown or broadcast before planting.
- Yr3 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.
- Yr3 K₂O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.
- Yr3 Your soil appears to be fine textured. For these soils the K₂O fertilizer recommendation can be adjusted 20% downward.
- Yr3 Apply 100 lbs/acre of N at or near planting time.
- Yr3 Broadcast 50% and apply the remainder in bands when setting plants.
- Yr3 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.
- Yr3 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.
- Yr3 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70948010**
Field/Location: TUESDAY GROUP 4
Date Sampled: 10/04/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	1,071					
Potassium (K)	1,964					
Calcium (Ca)	12,092					
Magnesium (Mg)	2,045					

Element	Value	Element	Value	Element	Value
Soil pH	7.4	Manganese (Mn), lbs/acre	33.8	Aluminum (Al), lbs/acre	8.3
Iron (Fe), lbs/acre	11.5	Zinc (Zn), lbs/acre	6.3	Organic Matter, %	16.0

Crop History (1 = last year, etc.)

Year Crop

- 2 Mixed Vegetables
- 1 Mixed Vegetables

Soil Fertilizer Recommendations

Year Crop	tons / acre		lbs / acre	
	Lime	N Range	P2O5 Range	K2O
1 Mixed Vegetables	0.00	120 - 140	20	0.00

Comments

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Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70948020**
Field/Location: WEDNESDAY GROUP 1
Date Sampled: 10/05/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	22					
Potassium (K)	273					
Calcium (Ca)	3,899					
Magnesium (Mg)	502					

Element	Value	Element	Value	Element	Value
Soil pH	7.0	Manganese (Mn), lbs/acre	16.2	Aluminum (Al), lbs/acre	32.6
Iron (Fe), lbs/acre	4.8	Zinc (Zn), lbs/acre	0.7	Organic Matter, %	4.0

Crop History (1 = last year, etc.)

Year Crop

- 3 Grasses Seeding
- 2 Grasses Maintenance
- 1 Grasses Seeding

Soil Fertilizer Recommendations

Year Crop	tons / acre		lbs / acre	
	Lime	N Range	P2O5 Range	K2O
1 Mixed Vegetables	0.00	120 - 140	40	40.00

Comments

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Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 Less sidedressed N will be required if legumes or manure have been incorporated prior to planting.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70948030**
Field/Location: WEDNESDAY GROUP 2
Date Sampled: 10/05/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	17					
Potassium (K)	265					
Calcium (Ca)	3,643					
Magnesium (Mg)	519					

Element	Value	Element	Value	Element	Value
Soil pH	6.9	Manganese (Mn), lbs/acre	15.1	Organic Matter, %	4.1
Buffer pH	6.4	Zinc (Zn), lbs/acre	0.9		
Iron (Fe), lbs/acre	6.1	Aluminum (Al), lbs/acre	35.9		

Crop History (1 = last year, etc.)

Year Crop

- 3 Grasses Seeding
- 2 Grasses Maintenance
- 1 Grasses Seeding

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Mixed Vegetables	0.00	120 - 140	40	40.00
2	Mixed Vegetables	0.00	120 - 140	40	40.00
3	Mixed Vegetables	0.00	120 - 140	40	40.00

Comments

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Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 Less sidedressed N will be required if legumes or manure have been incorporated prior to planting.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

Yr2 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr2 Plow down sod or cover crop will provide 18.00 lbs/acre of N. Reduce sidedress N applications appropriately.

Yr2 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr2 Your soil appears to be fine textured. For these soils the K2O fertilizer recommendation can be adjusted 20% downward.

Yr2 Apply 100 lbs/acre of N at or near planting time.

Yr2 Broadcast 50% and apply the remainder in bands when setting plants.

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Dairy One

Lab Sample ID: **70948030**
Field/Location: WEDNESDAY GROUP 2
Date Sampled: 10/05/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

- Yr2 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.
- Yr2 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.
- Yr2 Additional sidedressed N should not be required unless there was leaching from heavy rains.
- Yr3 Do not exceed 80 - 100 lbs/acre of N + K₂O in the fertilizer band. If more K₂O is required, plowdown or broadcast before planting.
- Yr3 Plow down sod or cover crop will provide 7.50 lbs/acre of N. Reduce sidedress N applications appropriately.
- Yr3 K₂O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.
- Yr3 Your soil appears to be fine textured. For these soils the K₂O fertilizer recommendation can be adjusted 20% downward.
- Yr3 Apply 100 lbs/acre of N at or near planting time.
- Yr3 Broadcast 50% and apply the remainder in bands when setting plants.
- Yr3 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.
- Yr3 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.
- Yr3 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70948040**
Field/Location: WEDNESDAY GROUP 3
Date Sampled: 10/05/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	40					
Potassium (K)	559					
Calcium (Ca)	4,153					
Magnesium (Mg)	469					

Element	Value	Element	Value	Element	Value
Soil pH	6.6	Manganese (Mn), lbs/acre	24.6	Organic Matter, %	5.8
Buffer pH	6.2	Zinc (Zn), lbs/acre	1.8		
Iron (Fe), lbs/acre	6.8	Aluminum (Al), lbs/acre	27.5		

Crop History (1 = last year, etc.)

Year Crop

- 3 Woody Plants (pH 6.0 to 7.5)
- 2 Woody Plants (pH 6.0 to 7.5)
- 1 Woody Plants (pH 6.0 to 7.5)

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Woody Plants (pH 6.0 to 7.5)	0.00	45 - 55	20	0.00
2	Woody Plants (pH 6.0 to 7.5)	0.00	45 - 55	20	0.00
3	Woody Plants (pH 6.0 to 7.5)	0.00	45 - 55	20	0.00

Comments

For assistance interpreting your report, contact your local Cooperative Extension office at 607-272-2292.

Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 If an analysis result is not referred to specifically in the recommendations or comments then levels are considered normal.

Yr1 Sidedress nutrients over estimated root zone during the first or second growing season, broadcast thereafter.

Yr1 N may be reduced 20 lbs/acre (1/2 lbs/1000 sq ft) for slow growing conifers and increased 10 lbs/acre (1/4 lbs/1000 sq ft) for fast growing deciduous.

Yr1 Sidedress, if possible, so as to limit to established root zone.

Yr1 Can use a complete fertilizer having a ratio of 2:1:1 or 3:1:1.

Yr1 Warning - soil test K levels are very high and may induce imbalances or deficiencies of other nutrients.

Yr2 If an analysis result is not referred to specifically in the recommendations or comments then levels are considered normal.

Yr2 Sidedress nutrients over estimated root zone during the first or second growing season, broadcast thereafter.

Yr2 N may be reduced 20 lbs/acre (1/2 lbs/1000 sq ft) for slow growing conifers and increased 10 lbs/acre (1/4 lbs/1000 sq ft) for fast growing deciduous.

Yr2 Sidedress, if possible, so as to limit to established root zone.

Yr2 Can use a complete fertilizer having a ratio of 2:1:1 or 3:1:1.

Yr2 Warning - soil test K levels are very high and may induce imbalances or deficiencies of other nutrients.

Yr3 If an analysis result is not referred to specifically in the recommendations or comments then levels are considered normal.

Yr3 Sidedress nutrients over estimated root zone during the first or second growing season, broadcast thereafter.

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Lab Sample ID: **70948040**
Field/Location: WEDNESDAY GROUP 3
Date Sampled: 10/05/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Yr3 N may be reduced 20 lbs/acre (1/2 lbs/1000 sq ft) for slow growing conifers and increased 10 lbs/acre (1/4 lbs/1000 sq ft) for fast growing deciduous.

Yr3 Sidedress, if possible, so as to limit to established root zone.

Yr3 Can use a complete fertilizer having a ratio of 2:1:1 or 3:1:1.

Yr3 Warning - soil test K levels are very high and may induce imbalances or deficiencies of other nutrients.

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Lab Sample ID: **70948050**
Field/Location: WEDNESDAY GROUP 4
Date Sampled: 10/05/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	6					
Potassium (K)	475					
Calcium (Ca)	1,937					
Magnesium (Mg)	327					

Element	Value	Element	Value	Element	Value
Soil pH	5.5	Manganese (Mn), lbs/acre	33.3	Organic Matter, %	4.3
Buffer pH	5.6	Zinc (Zn), lbs/acre	2.9		
Iron (Fe), lbs/acre	32.9	Aluminum (Al), lbs/acre	125.2		

Crop History (1 = last year, etc.)

Year Crop

- 3 Woody Plants (pH 6.0 to 7.5)
- 2 Woody Plants (pH 6.0 to 7.5)
- 1 Woody Plants (pH 6.0 to 7.5)

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Woody Plants (pH 6.0 to 7.5)	4.50	45 - 55	80	0.00
2	Woody Plants (pH 6.0 to 7.5)	0.00	45 - 55	80	0.00
3	Woody Plants (pH 6.0 to 7.5)	0.00	45 - 55	80	0.00

Comments

For assistance interpreting your report, contact your local Cooperative Extension office at 607-272-2292.

Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 If an analysis result is not referred to specifically in the recommendations or comments then levels are considered normal.

Yr1 Sidedress nutrients over estimated root zone during the first or second growing season, broadcast thereafter.

Yr1 N may be reduced 20 lbs/acre (1/2 lbs/1000 sq ft) for slow growing conifers and increased 10 lbs/acre (1/4 lbs/1000 sq ft) for fast growing deciduous.

Yr1 Sidedress, if possible, so as to limit to established root zone.

Yr1 Lime rate is for 100% ENV. To calculate actual rate: rate to use = recommended rate/ENV (of lime source) x 100.

Yr1 Maximum lime for 1 application is 4 tons/acre (175 lbs/1000 sq ft) of 100% ENV lime. Apply lime and resample prior to replanting.

Yr1 Broadcast the limestone. If possible, incorporate by light cultivation but do not disturb the roots.

Yr1 Warning - soil test K levels are very high and may induce imbalances or deficiencies of other nutrients.

Yr2 If an analysis result is not referred to specifically in the recommendations or comments then levels are considered normal.

Yr2 Sidedress nutrients over estimated root zone during the first or second growing season, broadcast thereafter.

Yr2 N may be reduced 20 lbs/acre (1/2 lbs/1000 sq ft) for slow growing conifers and increased 10 lbs/acre (1/4 lbs/1000 sq ft) for fast growing deciduous.

Yr2 Sidedress, if possible, so as to limit to established root zone.

Yr2 Warning - soil test K levels are very high and may induce imbalances or deficiencies of other nutrients.

Yr3 If an analysis result is not referred to specifically in the recommendations or comments then levels are considered normal.

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Lab Sample ID: **70948050**
Field/Location: WEDNESDAY GROUP 4
Date Sampled: 10/05/2011
Date Tested: 10/19/2011
Soil Name: Hudson
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Yr3 Sidedress nutrients over estimated root zone during the first or second growing season, broadcast thereafter.

Yr3 N may be reduced 20 lbs/acre (1/2 lbs/1000 sq ft) for slow growing conifers and increased 10 lbs/acre (1/4 lbs/1000 sq ft) for fast growing deciduous.

Yr3 Sidedress, if possible, so as to limit to established root zone.

Yr3 Warning - soil test K levels are very high and may induce imbalances or deficiencies of other nutrients.

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Lab Sample ID: **70948060**
Field/Location: THURSDAY GROUP 1
Date Sampled: 10/06/2011
Date Tested: 10/19/2011
Soil Name: Howard
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	941					
Potassium (K)	3,052					
Calcium (Ca)	10,861					
Magnesium (Mg)	1,800					

Element	Value	Element	Value	Element	Value
Soil pH	7.5	Manganese (Mn), lbs/acre	32.0	Aluminum (Al), lbs/acre	9.9
Iron (Fe), lbs/acre	7.7	Zinc (Zn), lbs/acre	8.1	Organic Matter, %	16.5

Crop History (1 = last year, etc.)

Year Crop

1 Mixed Vegetables

Soil Fertilizer Recommendations

Year Crop

1 Mixed Vegetables

tons / acre

Lime

0.00

lbs / acre

N Range

120 - 140

P2O5 Range

20

K2O

0.00

Comments

For assistance interpreting your report, contact your local Cooperative Extension office at 607-272-2292.

Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70948070**
Field/Location: THURSDAY GROUP 2
Date Sampled: 10/06/2011
Date Tested: 10/19/2011
Soil Name: Howard
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	1,929					
Potassium (K)	1,243					
Calcium (Ca)	19,197					
Magnesium (Mg)	2,391					

Element	Value	Element	Value	Element	Value
Soil pH	7.2	Manganese (Mn), lbs/acre	35.2	Aluminum (Al), lbs/acre	7.3
Iron (Fe), lbs/acre	8.5	Zinc (Zn), lbs/acre	22.8	Organic Matter, %	15.3

Crop History (1 = last year, etc.)

Year Crop

1 Mixed Vegetables

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Mixed Vegetables	0.00	120 - 140	20	0.00
2	Mixed Vegetables	0.00	120 - 140	20	0.00

Comments

For assistance interpreting your report, contact your local Cooperative Extension office at 607-272-2292.

Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

Yr2 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr2 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr2 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr2 Apply 100 lbs/acre of N at or near planting time.

Yr2 Broadcast 50% and apply the remainder in bands when setting plants.

Yr2 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr2 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

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Lab Sample ID: **70948070**
Field/Location: THURSDAY GROUP 2
Date Sampled: 10/06/2011
Date Tested: 10/19/2011
Soil Name: Howard
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Yr2 Additional sidedressed N should not be required unless there was leaching from heavy rains.

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Lab Sample ID: **70948080**
Field/Location: THURSDAY GROUP 3
Date Sampled: 10/06/2011
Date Tested: 10/19/2011
Soil Name: Howard
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Element	Morgan lbs/acre	Very Low	Low	Medium	High	Very High
Phosphorus (P)	1,585					
Potassium (K)	4,101					
Calcium (Ca)	13,013					
Magnesium (Mg)	2,250					

Element	Value	Element	Value	Element	Value
Soil pH	7.6	Manganese (Mn), lbs/acre	43.1	Aluminum (Al), lbs/acre	10.0
Iron (Fe), lbs/acre	7.8	Zinc (Zn), lbs/acre	9.3	Organic Matter, %	23.2

Crop History (1 = last year, etc.)

Year Crop

1 Mixed Vegetables

Soil Fertilizer Recommendations

Year	Crop	tons / acre		lbs / acre	
		Lime	N Range	P2O5 Range	K2O
1	Mixed Vegetables	0.00	120 - 140	20	0.00
2	Mixed Vegetables	0.00	120 - 140	20	0.00

Comments

For assistance interpreting your report, contact your local Cooperative Extension office at 607-272-2292.

Nutrient recommendations provided by Cornell University.

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.

Yr1 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr1 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr1 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr1 Apply 100 lbs/acre of N at or near planting time.

Yr1 Broadcast 50% and apply the remainder in bands when setting plants.

Yr1 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr1 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

Yr1 Additional sidedressed N should not be required unless there was leaching from heavy rains.

Yr2 Do not exceed 80 - 100 lbs/acre of N + K2O in the fertilizer band. If more K2O is required, plowdown or broadcast before planting.

Yr2 High soil P response to P unlikely in warm soil. Crops seeded or transplanted into cooler soils may respond to banded or starter P.

Yr2 K2O fertilizer recommendation above appropriate for coarse or moderately coarse soils normally used in vegetable crop production.

Yr2 Apply 100 lbs/acre of N at or near planting time.

Yr2 Broadcast 50% and apply the remainder in bands when setting plants.

Yr2 Seeding: the fertilizer band should be 2 inches below the seed and 2 inches to the side of the row.

Yr2 Sidedress 30 - 40 lbs/acre of N 3 to 4 weeks after thinning or setting the plants.

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Lab Sample ID: **70948080**
Field/Location: THURSDAY GROUP 3
Date Sampled: 10/06/2011
Date Tested: 10/19/2011
Soil Name: Howard
Statement ID: JONATHAN RUSSELL-ANELLI
Description:

Yr2 Additional sidedressed N should not be required unless there was leaching from heavy rains.