

Magruder Fertilizer Check Sample Program – Method Codes (2-21-05)
EXPRESS ALL RESULTS AS PERCENT UNLESS OTHERWISE NOTED

<u>Method Description</u>	<u>AOAC</u>	<u>Code</u>	<u>Method Description</u>	<u>AOAC</u>	<u>Code</u>	<u>Method Description</u>	<u>AOAC</u>	<u>Code</u>
AMMONIACAL NITROGEN			TOTAL NITROGEN			ORTHO PHOSPHATE		
MgO Distillation.....	920.03	001.10	Reduced Iron.....		010.10	Spectrometric.....	970.01	042.10
Other (Identify).....		001.99	Modified Comprehensive.....	978.02	010.11	Other.....		042.99
			Salicylic.....	955.04D	010.12	POLYPHOSPHATE (% of total)		
NITRATE NITROGEN			Raney.....	970.03	010.16	Other.....		
Robertson.....	930.01	002.10	Comprehensive.....	970.02	010.17	043.99		
Jones Modified.....	930.02	002.20	Combustion.....	993.13	010.60	WATER SOLUBLE PHOSPHATE		
Other (Identify).....		002.99	Other (Identify).....		010.99	Gravimetric Quimociac.....	962.03	048.10
WATER INSOLUBLE NITROGEN			TOTAL PHOSPHATE			Spectrometric.....	970.01	048.20
Method I.....	945.01	003.10	Gravimetric Quimociac.....	962.02	020.10	Alka. Quimociac.....	962.04	048.30
Method II (Katz).....	970.04	003.20	Spectrometric.....	958.01	020.20	ICP.....		048.50
Other (Identify).....		003.99	Alka. Quimociac.....	969.02	020.30	Other (Identify).....		048.99
NITROGEN ACTIVITY INDEX			Automated.....	978.01	020.40	SOLUBLE POTASH		
UF Compounds.....	955.05	004.00	ICP.....		020.50	STPB Oxalate.....	958.02	050.00
NITROGEN FROM UREA			Other (Identify).....		020.99	STPB Citrate.....	969.04	050.10
Urease (as N).....	959.03	005.00	INSOLUBLE PHOSPHATE			Atomic Absorption (Oxalate).....		050.30
Other (Identify).....		005.99	Gravimetric Quimociac.....	963.03C(a)	030.10	Atomic Absorption (Citrate).....		050.31
NITROGEN FROM BIURET			Spectrometric.....	963.03C(b)	030.20	ICP (Oxalate).....		050.50
Atomic Absorption (as N).....	976.01	006.00	Alka. Quimociac.....	963.03C(c)	030.30	ICP (Citrate).....		050.51
Spectrometric (as N).....	960.04	006.10	Automated.....	978.01	030.40	Flame Photometric (Oxalate).....	983.02B(a)	050.60
Other (Identify).....		006.99	ICP.....		030.50	Flame Photometric (Citrate).....	983.02B(b)	050.61
PERCENT UREA			Other (Identify).....		030.99	Other (Identify).....		050.99
Urease (as Urea).....	959.03	007.00	INDIRECT AVAILABLE PHOSPHATE			FREE WATER		
Other (Identify).....		007.99	Gravimetric Quimociac.....	960.02	040.10	Vacuum Oven.....	965.08B	060.00
PERCENT BIURET			Spectrometric.....	960.02	040.20	Vacuum Desiccate.....	965.08A	060.10
Atomic Absorption (as Biuret).....	976.01	008.00	Alka. Quimociac.....	960.02	040.30	Karl Fischer.....	972.01	060.20
Spectrometric (as Biuret).....	960.04	008.10	Automated.....	960.02	040.40	Other (Identify).....		060.99
Other (Identify).....		008.99	ICP.....		040.50	ACID SOLUBLE CALCIUM		
AMMON & NITRATE N			Other (Identify).....		040.99	Atomic Absorption.....	945.04	101.00
Devarda.....	892.01	009.10	DIRECT AVAILABLE PHOSPHATE			ICP.....		101.30
Other (Identify).....		009.99	Gravimetric Quimociac.....	960.03E	041.10	Titrimetric.....	945.03	101.70
			Spectrometric.....	960.03D	041.20	Other (Identify).....		101.99
			Alka. Quimociac.....	960.03C	041.30	ACID SOLUBLE MAGNESIUM		
			Automated.....	978.01	041.40	Atomic Absorption.....	984.01	121.00
			ICP.....		041.50	ICP.....		121.30
			EDTA Extract.....	993.01	041.60	Titrimetric (EDTA).....	964.01	121.70
			Other (Identify).....		041.99	Other (Identify).....		121.99

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WATER SOLUBLE MAGNESIUM			ACID SOLUBLE COBALT (express as PPM)			TOTAL MERCURY (express as PPM)		
Atomic Absorption.....	965.09	131.00	Atomic Absorption		202.00	Atomic Absorption.....		281.00
ICP		131.30	Colormetric	965.11	202.20	ICP		281.30
Titrimetric (EDTA)	937.02c	131.70	ICP		202.30	Other (Identify).....		281.99
Other (Identify).....		131.99	Other (Identify)		202.99			
SULFUR			ACID SOLUBLE COPPER			TOTAL MOLYBDENUM (express as PPM)		
Gravimetric	980.02(a)	144.01	Atomic Absorption	975.01	221.00	Atomic Absorption.....		289.00
Gravimetric	980.02(b)	144.02	Titrimetric.....	942.01	221.10	ICP		289.30
Gravimetric	980.02(c)	144.03	ICP		221.30	Other (Identify).....		289.99
Turbidimetric.....	JAOAC 63.845	144.50	Other (Identify)		221.99			
Spectrometric.....		144.70	ACID SOLUBLE IRON			TOTAL NICKEL (express as PPM)		
Other (Identify).....		144.99	Atomic Absorption	980.01	241.00	Atomic Absorption.....		291.00
TOTAL ARSENIC (express as PPM)			Colormetric		241.20	ICP		291.30
Atomic Absorption.....		151.00	ICP		241.30	Other (Identify).....		291.99
ICP		151.30	Titrimetric.....	967.01	241.70			
Other (Identify).....		151.99	Other (Identify)		241.99	TOTAL SELENIUM (express as PPM)		
ACID SOLUBLE BORON			TOTAL LEAD (express as PPM)			SODIUM		
Spectrometric.....	982.01	165.00	Atomic Absorption		251.00	Atomic Absorption.....	983.04	311.00
Titrimetric	949.02	165.70	ICP		251.30	Flame Photometric.....	974.01	311.30
Other (Identify).....		165.99	Other (Identify)		251.99	Other (Identify).....		311.99
WATER SOLUBLE BORON			ACID SOLUBLE MANGANESE			ACID SOLUBLE ZINC		
Atomic Absorption.....	JAOAC 52.950	171.00	Atomic Absorption	972.02a	261.00	Atomic Absorption.....	975.02	321.00
Spectrometric.....	982.01	171.10	Atomic Absorption	972.02b	261.11	Gravimetric	942.02	321.10
Titrimetric	949.03	171.70	ICP	Ext. 972.02a	261.30	Zincon Ion Exchange.....	973.01	321.20
Other (Identify).....		171.99	ICP	Ext. 972.02b	261.31	ICP		321.30
TOTAL CADMIUM (express as PPM)			Bismuthate		261.40	Other (Identify).....		321.99
Atomic Absorption.....		181.00	Spectrometric	940.02	261.50	WATER SOLUBLE ZINC		
ICP		181.30	Other (Identify)		261.99	Atomic Absorption.....		325.00
Other (Identify).....		181.99	WATER SOLUBLE MANGANESE			Gravimetric		325.10
WATER SOLUBLE CHLORINE			Atomic Absorption	972.03	271.00	ICP		325.30
Titrimetric	928.02	190.00	ICP	Ext. 972.03	271.30	Other (Identify).....		325.99
Other (Identify).....		190.99	Other (Identify)		271.99			
TOTAL CHROMIUM (express as PPM)								
Atomic Absorption.....		191.00						
ICP		191.30						
Other (Identify).....		191.99						