

# COMMERCIAL FERTILIZERS

Special Inspection, Feb., 1974

Bulletin 746

March, 1974



COMMERCIAL

FERTILIZERS

Due to recent large increases in the price of fertilizer and talk about shortages, the Experiment Station conducted a special pre-season survey to check the claims of nitrogen content of products sold in Connecticut. The 69 samples which represent 21 manufacturers, were collected between February 13 and 23 by R. Richard Nichols, and were analyzed by William Glowa.

A comparison with the results of analyses for the past two years shows no significant trend. A table showing the results for the same manufacturers involved in the February sampling is below. The results will be published again in the 1974 fertilizer report which will be printed in 1975.

Gordon Hanna

<i>Samples</i>	<i>No. of N claims</i>	<i>No. of claims deficient</i>	<i>% deficient</i>	<i>Ave. % of claims</i>
Feb. 1974	69	8	11.8	105
1973	331	42	12.7	109
1972	334	46	13.8	107

Sample number	Brand	Grade	Nitrogen found,	
			%	% of claim
<b>Agrico Chemical Co.</b>				
19544	Agrico Fertilizer	6-12-12	6.35	106
19545	Agrico Fertilizer	10-10-10	8.16*	82
19546	Agrico Fertilizer	15-10-10	15.48	103
19547	Agrico Fertilizer	20-10-15	20.56	103
19549	Agrico Fertilizer	15-15-15	15.76	105
19550	Agrico Fertilizer	10- 6- 4	11.26	113
19551	Agrico Plant Food	10-20-10	10.00	100
			Ave.	102
			No. of deficiencies:	1
<b>Agway, Inc.</b>				
19521	Agway U-46 Urea Fertilizer	46- 0- 0	46.20	104
19523	Agway Steamed Bone Meal	1-11- 0	2.04	204
19524	Agway Greenlawn Plus	20- 5- 7	22.16	111
			Ave.	140
			No. of deficiencies:	None
<b>Asgrow Mandeville Co.</b>				
19533	Landscapers Lawn Food	20- 4-10	19.68	98
19534	Gro-Sod Lawn Food	23- 7- 7	22.72	99
			Ave.	99
			No. of deficiencies:	None
<b>Brockville Chemical Industries Ltd.</b>				
19512	"Bull's Eye" Ammonium Nitrate	34- 0- 0	34.00	100
			No. of deficiencies:	None
<b>Cadwell and Jones, Inc.</b>				
19564	C & J Fertilizer	20-10-10	16.64*	83
19565	C & J Plant Food	5-10- 5	5.10	102
19566	C & J Gro-Turf	10- 6- 4	10.00	100
19567	Surge Lawn Food	12- 8- 8	9.52*	79
19568	C & J Soy Bean Meal	44% protein	7.10	101
19569	C & J Fertilizer	10-10-10	9.52	95
19570	C & J Fertilizer	10- 6- 4	9.92	99
19571	C & J Fertilizer	5-10-10	5.00	100
19572	C & J Fertilizer	33- 8- 8	31.20*	95
			Ave.	95
			No. of deficiencies:	3
<b>Chevron Chemical Co.</b>				
19557	Ortho General Purpose Plant Food	8- 8- 8	7.84	98
19558	Ortho Rose Food	8-12- 4	8.12	102
			Ave.	100
			No. of deficiencies:	None

Sample number	Brand	Grade	Nitrogen found,	
			%	% of claim
<b>Clinton Nursery Products Inc.</b>				
19563	New Era Acid Plant Food	30-10-10	30.96	103
			No. of deficiencies:	None
<b>The Espoma Co.</b>				
19526	Garden Tone	4- 6- 6	5.40	135
19527	Plant Tone	4- 3- 2	4.64	116
			Ave.	126
			No. of deficiencies:	None
<b>W. T. Grant Co.</b>				
19513	Grants Garden Shop	10- 6- 4	10.60	106
			No. of deficiencies:	None
<b>Heritage House Products</b>				
19528	Heritage House Winter Turf Food	7-18-12	8.08	115
19529	Heritage House All-Purpose Plant Food	6- 9- 5	7.42	124
			Ave.	120
			No. of deficiencies:	None
<b>Kerr McGee Chemical Corp.</b>				
19505	Kerr-McGee	5-10-10	5.86	117
19506	Kerr-McGee	10-10-10	9.44	94
19507	Kerr-McGee	15-10-10	13.60*	91
19510	Kerr-McGee	10-20-20	11.44	114
19511	Lawn Craft Turf Food	10- 5- 5	7.80*	78
			Ave.	99
			No. of deficiencies:	2
<b>Wilson and Geo. Meyer &amp; Co.</b>				
19542	Viking Brand Calcium Nitrate	15.5-0-0	15.24	98
			No. of deficiencies:	None
<b>Monarch Corp.</b>				
19530	Organic Cattle Manure	2- 1- 2	2.32	116
			No. of deficiencies:	None
<b>Nassau Garden, Inc.</b>				
19559	Glorion Lightweight Deluxe Grass Food	23- 7- 7	23.32	101
19560	Glorion for Turf and Garden	10- 6- 4	10.44	104
19573	Glorion Azalea Food	6- 7- 5	7.68	128
19574	Glorion Rose Food	7- 7- 7	8.44	121
19575	Glorion Evergreen Food	8- 8- 8	8.08	101
			Ave.	111
			No. of deficiencies:	None
<b>Old Fox Chemical, Inc.</b>				
19535	Old Fox	15-10-10	16.16	108
19536	Old Fox	5-10-10	4.96	99

Sample number	Brand	Grade	Nitrogen found,	
			%	% of claim
19537	Old Fox	18- 4- 8	17.36	96
19538	Old Fox Fair Gran	12- 2- 8	12.12	101
19539	Old Fox Green and Tee	12- 2- 8	15.08	126
19540	Old Fox Gran "75"	10- 6- 4	10.12	101
19541	Old Fox	10-10-10	11.72	117
19543	Old Fox	20-12-18	20.40	102
			Ave.	106
			No. of deficiencies:	None
<b>Professional Turf Products</b>				
19531	NPK Professional Lawn Fertilizer	10- 6- 4	8.60*	86
19532	NPK Professional Tree Food	7- 7- 7	10.74	153
			Ave.	120
			No. of deficiencies:	1
<b>O. M. Scott &amp; Sons Co.</b>				
19514	Starter Fertilizer	18-24- 6	18.40	102
19515	Turf Builder	23- 7- 7	23.52	102
19518	Turf Builder Plus	22- 7- 7	22.68	103
19519	Halts Plus for Established Lawns	20- 6- 6	21.24	106
19561	Halts Plus for New Seeding	16-21- 5	16.80	105
			Ave.	104
			No. of deficiencies:	None
<b>Stern's Nurseries, Inc.</b>				
19562	Stern's Miracle-Gro for Tomatoes	18-18-21	17.72	98
19576	Stern's Miracle-Gro for Roses	18-24-16	18.80	104
19577	Stern's Miracid	30-10-10	30.40	101
			Ave.	101
			No. of deficiencies:	None
<b>Swift Chemical Co.</b>				
19516	Vigoro All Purpose	6-10- 4	6.32	105
19517	Deep Green Vigoro Lawn Food	24- 4- 8	24.56	102
19520	Vigoro Tomato Food	5- 8-10	6.42	128
			Ave.	112
			No. of deficiencies:	None
<b>USS Agri-Chemicals</b>				
19552	USS Vertagreen Triple Duty Fertilizer	10- 6- 4	10.16	102
19553	USS Cattle Manure	1- 1- 1	.80	80
19554	USS Vertagreen Turf and Tree Fertilizer	10- 6- 4	10.88	109
19555	USS Vertagreen Lawn Food	25- 5-10	23.04*	92
19556	USS Vertagreen Turf and Tree Fertilizer	10- 6- 4	9.60	96
			Ave.	96
			No. of deficiencies:	1
<b>Walker-Gordon Laboratory</b>				
19525	Bovung	2- 1- 2	2.36	118
			No. of deficiencies:	None