



2002 Agricultural Chemical Use on Sweet Corn and Squash

This report, which summarizes the use of agricultural chemicals on vegetables in 2002, is issued by the National Agricultural Statistics Service (NASS) as part of its series on Agricultural Chemical Usage. Other publications in the series present statistics for on-farm agricultural chemical usage for field crops, fruits, livestock, floriculture, nursery and post harvest applications. The publications can be found at www.usda.gov/nass.

The information in this report was obtained from New Jersey vegetable growers through a survey funded by the USDA Pesticide Data Program. Without the voluntary response of these growers, this report would not be possible. A special thank you goes out to those growers who responded to this survey. The purpose of the Pesticide Data Program is to provide reliable pesticide use statistics and enhance the quality of information on pesticide residues in food. Multiple agencies within the USDA administer this program. This data series addresses the increased public interest in agricultural chemical use and provides the means for government agencies to respond effectively to food safety and water quality issues.

NASS collects on-farm agricultural chemical use information to support the evaluation of food safety and water quality issues. The Economic Research Service (ERS) conducts research on the impact of alternative pesticide regulations, policies, and practices. The Agricultural Marketing Service (AMS) conducts a pesticide residue monitoring program.

CORN, SWEET, FRESH: Agricultural Chemical Applications, New Jersey, 2002 1/

Agricultural Chemicals	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	Percent	Number	Pound per Acre		1,000 Lbs
Herbicides:					
Alachlor	31	1.0	1.55	1.55	4.3
Atrazine	48	1.0	0.98	0.98	4.3
Cyanazine	11	1.0	0.84	0.84	0.8
S-Metolachlor	45	1.3	1.20	1.61	6.5
Insecticides:					
Esfenvalerate	7	5.4	0.03	0.19	0.1
Lambda-cyhalothrin	83	5.3	0.03	0.14	1.0
Methomyl	13	3.4	0.37	1.29	1.5
Terbufos	18	1.1	1.10	1.22	1.9

1/ Planted acres in 2002 for New Jersey were 9,000 acres.

CORN, SWEET, FRESH: Fertilizer Primary Nutrient Applications, New Jersey, 2002 1/

Primary Nutrient	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	Percent	Number	Pounds per Acre		1,000 Lbs
New Jersey					
Nitrogen	97	2.3	52	122	1,062
Phosphate	97	1.6	40	68	596
Potash	94	1.6	41	69	581

1/ Planted acres in 2002 for New Jersey were 9,000 acres.

SQUASH: Agricultural Chemical Applications, New Jersey, 2002 1/

Agricultural Chemicals	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	Percent	Number	Pound per Acre		1,000 Lbs
Herbicides:					
Bensulide	13	1.0	4.64	4.64	2.2
Ethalfuralin	10	1.0	0.43	0.43	0.2
Insecticides:					
Carbaryl	15	2.0	0.74	1.49	0.8
Carbonfuran	8	1.0	0.57	0.57	0.2
Endosulfan	36	3.1	0.71	2.21	2.8
Esfenvalerate	3	1.3	0.04	0.06	2/
Imidacloprid	6	1.0	0.08	0.09	2/
Methomyl	9	1.8	0.48	0.90	0.3
Permethrin	8	1.2	0.13	0.16	2/
Fungicides:					
Azoxystrobin	7	1.8	0.20	0.37	0.1
Chlorothalonil	63	2.7	1.67	4.62	10.5
Copper hydroxide	26	2.6	0.34	0.91	0.8
Mancozeb	9	1.4	1.56	2.27	0.7
Mefenoxam	11	1.8	0.09	0.18	0.1
Metalaxyl	10	1.1	0.21	0.25	0.1

1/ Planted acres in 2002 for New Jersey were 3,600 acres.

2/ Total applied is less than 50 lbs.

SQUASH: Fertilizer Primary Nutrient Applications, New Jersey, 2002 1/

Primary Nutrient	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	Percent	Number	Pounds per Acre		1,000 Lbs
New Jersey					
Nitrogen	98	2.2	45	99	349
Phosphate	95	2.0	37	76	260
Potash	97	2.1	55	116	406

1/ Planted acres in 2002 for New Jersey were 3,600 acres.



For a copy of the finished report or to obtain other agricultural statistics, visit the New Jersey Agricultural Statistics Service website at www.usda.gov/nass/nj or call 1-800-328-0179.