



VEGETABLE CHEMICAL USE SURVEY RESPONDENT BOOKLET



2013

Dear Producer:

Your operation has been selected to participate in the Vegetable Chemical Use Survey, conducted by USDA's National Agricultural Statistics Service (NASS). By providing the information on chemical usage, you will help ensure that the products you use to maintain a safe and abundant food supply continue to be available.

The U.S. Environmental Protection Agency (EPA) is required to conduct a review of tolerance levels for re-registration of pesticide products. Part of the review includes evaluating USDA's estimates on agriculture chemical use. The need for this reliable chemical use data is ongoing. If data are not available, the EPA will assume maximum label rates are being applied on all vegetable acreage. Since vegetable growers, such as yourself, are the best source for this information, your input is essential in the process. A typical interview lasts about an hour. We recognize your time is valuable, and our interviewers will schedule a time convenient for you. If your chemical use records are available, the survey will take up less of your time.

Information requested in this survey is used to prepare estimates on costs and returns. Under Title 7 of the U.S. Code and CIPSEA (Public Law 107-347), facts about your operation are **kept confidential** and used only for statistical purposes in combination with similar reports from other producers. Response is **voluntary**. You may skip any question(s) you prefer not to answer.

NASS safeguards the privacy of all respondents, ensuring that no individual respondent or operation can be identified. Be assured that your responses to ARMS will be kept **completely confidential**, as required by federal law.

Thank you for investing in the future of U.S. agriculture and ensuring that decisions affecting you, your family, your business and your community are based on the facts, straight from the source.

Sincerely,

Hubert Hamer
Chair, Agricultural Statistics Board
U.S. Department of Agriculture
National Agricultural Statistics Service

2013 VEGETABLE CHEMICAL USE SURVEY RESPONDENT BOOKLET CALIFORNIA

TARGET CROPS

(FM) = Fresh Market

(PR) = Processing

CALIFORNIA			
701	Asparagus	725	Lettuce, Head
803	Beans, Snap (FM)	728	Lettuce, Other
705	Broccoli	732	Onions, Bulb
808	Cabbage (FM)	736	Peppers, Bell
709	Cantaloupe	738	Pumpkins
812	Carrots (FM)	840	Spinach (FM)
912	Carrots (PR)	743	Squash, Summer
714	Cauliflower	744	Squash, Winter
715	Celery	748	Strawberries
818	Corn, Sweet (FM)	850	Tomatoes (FM)
820	Cucumbers (FM)	950	Tomatoes (PR)
723	Garlic	752	Watermelons
730	Honeydews		

COMMON FERTILIZERS AND THEIR PERCENT ANALYSIS

[Enumerator Note: *If Respondent cannot report the formulation for Section C, column 7, use the formulations below.*]

Name	Form	Percent Active Ingredients			
		N	P ₂ O ₅	K ₂ O	S
Ammonia.	D/L	80	---	---	---
Ammoniated superphosphate.	D	12-17	22-35	---	---
Ammonium metaphosphate.	D	12	51	---	---
Ammonium nitrate.	D	32-34	---	---	---
Ammonium phosphate.	D	11-18	46-48	---	---
Ammonium phosphate nitrate.	D	27-30	10-15	---	---
Ammonium phosphate sulfate (APS).	D	13-16	20	---	15
Ammonium polyphosphate (APP).	L	10-11	34-37	---	---
Ammonium polysulfide (Ammonium Sulfate).	L	20-21	---	---	24
Ammonium sulfate nitrate.	D	20-30	---	---	5
Ammonium thiosulfate solution.	L	12	---	---	26
Anhydrous ammonia.	L/G	82	---	---	---
Aqua ammonia (Ammonium Hydroxide).	L	16-25	---	---	---
Bone meal.	D	0-2	10-20	---	---
Calcium ammonium nitrate.	D	15-16	---	---	---
Diammonium phosphate sulfur.	D	15-16	39-41	---	---
Diammonium phosphate (DAP).	D	16-21	46-53	---	---
Elemental sulfur.	D	---	---	---	52-100

COMMON FERTILIZERS AND THEIR PERCENT ANALYSIS

[Enumerator Note: *If Respondent cannot report the formulation for Section C, column 7, use the formulations below.*]

Name	Form	Percent Active Ingredients			
		N	P ₂ O ₅	K ₂ O	S
Greensand.	D	---	1	6	---
Magnesium sulfate.	D	---	---	---	13
Mixed fertilizer.	D	2	6	12	---
		3	9	18	---
		3	10	30	---
		5	10	15	---
		5	10	30	---
		5	15	30	---
	D	8	24	24	---
		9	18	9	---
		10	34	---	---
Monoammonium phosphate (MAP).	D	11-13	48-62	---	---
Natralene.	D/L	40	---	---	---
Nitrogen solutions.	L	7-58	---	---	---
Nitric phosphate.	D	12-17	22-35	---	---
Phosphate rock.	D	---	2-35	---	---
Phosphoric acid.	L	---	2-76	---	---
Potassium carbonate.	D	---	---	34-48	---
Potassium chloride (Muriate of potash).	D	---	---	60-62	---
Potassium magnesium sulfate.	D	---	---	22	23
Potassium metaphosphate.	D	---	55-57	37-38	---
Potassium nitrate.	D	13	---	44	---
Potassium orthophosphate.	D	---	30-60	30-50	---
Potassium polyphosphate.	L	---	40-60	22-48	---
Potassium sodium nitrate.	D	15	---	14-15	---
Potassium solutions.	L	---	---	13-15	---
Potassium sulfate.	D	---	---	50-53	16
Sodium nitrate (Nitrate of Soda).	D	15-16	---	---	---
Sulfuric acid.	L	---	---	---	20-26
Super phosphate (22% & under).	D	---	16-22	---	11
Super phosphate (over 22%).	D	---	23-39	---	11
Triple super phosphate.	D	---	40-54	---	11
Urea.	D	45-46	---	---	---
Urea, sulfur coated.	D	36-38	---	---	13-16
Urea ammonium phosphate.	D	25-58	28-35	---	---
Urea ammonium nitrate (UAN).	L	28-32	---	---	---

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0218. The time required to complete this information collection is estimated to average 45 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.