

Attachment c EPA Estimated Usage Trifluralin

TRIFLURALIN USAGE							
Crop	Acres Planted (000's acres)	% of Site Treated	Likely Maximum % Treated	Total Active Ingredient (000's lbs)	Likely Maximum (000's lb)	Acres Treated (000's acres)	Likely Maximum (000's acres)
Alfalfa	24,835	2	4	778	1,425	584	1,030
Almonds	389	2	4	7	14	9	14
Apricots	19	Limited individual crop data. Very little usage reported on stone fruits as a group.					
Asparagus	55	22	57	14	38	12	31
Barley	8,190	5	7	192	309	410	531
Beans, Dry	1,809	37	52	417	558	676	937
Beans, Green	319	85	93	158	179	271	298
Broccoli	27	32	26	14	17	19	23

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Brussels Sprouts	4	25	30	<1	<1	1	<2
Cabbage	84	35	35	30	36	38	46
Canola	170	7	14	5	10	11	22
Carrots	65	28	43	14	20	18	28
Cauliflower	44	55	43	11	13	15	18
Celery	34	6	12	2	4	2	4
Cherries	95	No usage observed					
Clover	No information available						
Collards	15	47	60	5	7	7	9
Corn	76,200	<1	1	212	359	275	457
Cotton	13,595	52	62	5,379	7,188	7,009	8,412
Cucumbers	151	3	5	2	2	4	8
Dill	No information available						
Eggplant	3	Information limited, no usage observed.					
Endive & Escarole	5	No information available.					
Flax	244	28	43	32	60	69	105
Grapefruit	139	3	7	6	16	4	10
Grapes	745	3	10	25	81	20	71
Hay, Other	35,988	<1	<1	15	43	22	61
Hops	42	2	5	<1	1	1	2
Kale	6	No information available.					
Lemons	62	No usage observed.					
Lentils	131	No information available.					
Lettuce	275	3	9	3	11	7	24
Limes	No usage observed for citrus other than oranges and grapefruit.						
Lots/farmsteads/etc.	--	--	--	--	11	--	62
Lupines	No information available.						
Melons, Canteloupe	79	18	35	20	48	14	28
Melons, Honeydew	15	3	7	<1	<2	<1	1

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Mint	146	<1	1	<1	1	<1	2
Mustard greens	10	No information available.					
Nectarines	27	Limited individual crop data. Very little usage reported on stone fruits as a group.					
Oats	4,364	<1	<1	15	24	12	22
Okra	6	33	67	1	2	2	4
Onions	149	12	12	11	11	17	17
Oranges	646	<1	1	6	14	4	8
Parsley	5	No usage observed.					
Pasture/Rangeland	--	--	--	2	8	7	38
Pasture/Rangeland, Other	No usage observed.						
Peaches	179	<1	<2	<1	<2	<1	<2
Peanuts	1,690	11	16	106	135	194	258
Peas, Dry	166	19	27	20	26	32	45
Peas, Green	321	17	19	33	37	56	62
Pecans	453	1	2	4	9	6	9
Peppers, Hot	34	No usage observed					
Peppers, Sweet	67	22	39	12	20	15	26
Plums & Prunes	130	<1	<2	1	2	1	2
Potatoes	1,373	7	10	58	100	89	139
Pumpkins	41	2	5	<1	1	<1	2
Rape (see also Canola)	12	No information available.					
Safflower	323	8	16	21	42	25	50
Seed Crops	--	--	--	4	4	4	4
Setaside acres	--	--	--	118	204	192	336
Sorghum	11,611	1	2	77	148	119	226
Soybeans	58,909	33	38	17,985	23,305	19,494	22,091
Squash	58	7	14	3	6	4	8
Sugar beets	1,434	8	11	73	92	120	153

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Sugarcane	926	15	20	248	308	143	184
Summer fallow	--	--	--	79	203	157	382
Sunflower	2,580	44	49	838	1,050	1,135	1,271
Sweet Corn	748	<1	1	1	3	3	9
Tangelos	--	No usage observed for citrus other than oranges and grapefruits.					
Tangerines	--	No usage observed for citrus other than oranges and grapefruits.					
Tomatoes	456	53	63	164	244	240	286
Turnip greens (tops)	10	No information available					
Watermelon	239	5	12	16	39	12	28
Wheat	71,464	3	5	945	1,502	2,410	3,722
Agricultural Total	--	--	--	28,182	37,990	33,992	41,616
Trees, Ornamentals & Turf	--	--	--	150	--	--	<300
Not in the Reference Files System (REFS) but usage reported:							
Tobacco	762	0	1	4	5	3	6
In the Reference Files System (REFS) and no usage:							
Pomegranates	--	--	--	--	--	--	--
<p>Tolerances exist for the following crops, however, no usage is reported. Beet greens (tops); Buckwheat; Cabbage, Chinese; Casaba (muskmelon); Cashew; Chestnut; Cowpeas; Crenshaw melon; Dandelion; Fennel, Florence; Filbert; Hazelnut; Hickory nut; Honey balls (melons); Kohlrabi; Kumquats; Lespedezas; Macadamia nuts; Millet; Muskmelon; Pawpaws; Pea vine hay; Persian melon; Pimentos; Popcorn; Rhubarb; Salsify tops; Spinach; Swiss chard; Velvet beans (for forage); Walnuts; Watercress</p>							
<p>The following imported crops were listed in the tolerance or Reference Files System (REFS) files. No usage information is provided: Brazil nuts, Palm oil.</p>							
<p>Other crops appeared only in the Reference Files System (REFS) listing and not in the tolerance file. For these crops no usage was observed. Fescue; Walnuts, black; Herbaceous flavoring.</p>							

Sources: Doane, RFF, NASS, State surveys. 1987 to 1993 data