

Certification of Applicators – The Federal Basis for University PSEPs (November 2012)

Regulatory Framework: 40 CFR 171 – Certification of Pesticide Applicators (of Restricted Use Pesticides)

- Private Applicator (produces a commodity on their own/employer's property)
- Commercial Applicator – any certified applicator other than private
 - Agriculture Pest Control, Forest Pest Control, Ornamental & Turf Pest Control, Seed Treatment, Aquatic Pest Control, Right of Way Pest Control, Industrial-Institutional-Structural-Public Health Pest Control, Regulatory Pest Control, Demo-Research
- Core topics covered – federal/state laws, labeling, formulations, residues/tolerance, exposure/health effects/first aid, PPE, safe handling (mix, load, transport, storage, spills), environmental safety (drift, pollinator protection, water quality), recordkeeping
- Category topics – see topics above: laws, safety, environment, application principles/equipment, pest identification, IPM, pesticide-resistance

State, Territory, Tribal (STT) Authority for Applicator Certification

- STT have added requirements for certification beyond RUP (e.g., for-hire, public agency)
- STT have split the above federal categories into sections that best meet their needs, and have added other categories
- Certification – closed-book written exams for commercial applicators and most private applicators (a few states do not test private applicators)
- Recertification – exam only, attend a specific workshop, or obtain a specified number of continuing education units; recertification period varies from one to five year cycle

University Pesticide Safety Education Programs provide instruction to support initial certification and ensure ongoing competency of certified applicators.

- Develop/revise study manuals
- Develop other educational materials (e.g., videos, presentations, bulletins, web resources, pest identification guides) for pesticide applicators
- Develop teaching resources for county Extension educators (train the trainer)
- Conduct initial certification training (only some states): classes, videos, online
- Conduct recertification training (most states): classes, workshops, fly-ins, webinars, video-broadcasts that are approved by the state lead agency
- Serve as speakers for other training programs
- Assist state lead agency with certification exam development
- Administer private applicator exams (most states) to better serve rural America
- Partner with associations, industry, non-profit organizations, private companies, and federal and state government agencies on issues related to safe pesticide use

Pesticide Facts: 1,165 active ingredients, 16,000 pesticide products, 1.2 billion pounds used each year in the US, 1.9 million US farms, 104 million households

Pesticide Applicator Numbers: <http://cpard.wsu.edu> – *click Public Access Button*

- Full Report show all details recorded for a state plan and annual report
- Total Applicators per state, territory, tribe (new, those recertified that year, all licensees)
- Commercial Applicators – breakdown for each federal category (some applicator have multiple categories)

CPARD Total Applicators (Commercial and Private) Report - 2011

STATE	Commercial New	Private New	Commercial Recertified	Private Recertified	Commercial Total	Private Total
Alabama	348	627	906	1113	4199	5876
Alaska	94	6	57	8	606	106
American Samoa	0	0	0	0	10	163
Arizona	827	137	6460	291	7287	428
Arkansas	474	1226	1154	2139	4410	20284
California	3292	1066	13724	5902	34790	18087
Cheyenne River Sioux	26	62	10	4	36	66
Colorado	587	315	1006	1018	4182	4908
Connecticut	127	27	502	106	2794	558
Delaware	32	136	428	1703	1839	734
District of Columbia	51	0	118	0	1373	0
Florida	1282	360	8083	621	16198	3990
Georgia	1404	1633	1007	1109	11592	21521
Guam	0	0	0	0	135	16
Hawaii	141	34	59	25	1208	487
Idaho	425	140	1619	1838	4079	3859
Illinois	2654	741	2456	2097	14592	16818
Indiana	1709	1062	2943	4414	8754	13051
Iowa	1726	676	3555	7667	13754	23308
Kansas	874	1242	1531	3175	6054	14631
Kentucky	2978	3233	3828	3215	13464	12879
Louisiana	589	357	3275	2587	4231	7439
Maine	221	37	208	360	1600	1140
Maryland	258	145	1131	631	4583	3354
Massachusetts	164	47	404	158	2222	1140
Michigan	2132	469	2571	1930	14458	7490
Minnesota	1817	615	4787	3912	10347	17166
Mississippi	318	1854	1091	761	3158	10664
Missouri	810	1545	2642	2036	7755	20988
Montana	263	213	613	1282	2359	6133
Nebraska	1234	1032	3830	9918	9782	21470
Nevada	723	122	944	178	1667	300
New Hampshire	229	42	6	2	1256	495
New Jersey	790	64	2727	49	8518	1616
New Mexico	803	184	1651	247	2454	2677
New York	1229	245	7442	560	18743	6800
North Carolina	1372	520	3507	4223	20247	15652
North Dakota	455	920	1353	2758	5385	11622
Northern Marianas	2	0	1	0	28	2
Oglala Sioux	0	4	7	5	7	9
Ohio	1172	263	3850	4084	13088	14667
Oklahoma	1288	1355	252	281	11312	11897
Oregon	473	150	823	639	4927	4598
Pennsylvania	2493	804	4863	5773	17084	18123
Puerto Rico	388	748	274	523	6086	17101
Republic of Palau						
Rhode Island	44	2	170	46	640	177
Shoshone Bannock	0	0	0	0	63	69
South Carolina	543	390	758	1418	5539	5910
South Dakota	804	3247	2585	1123	5987	16143
Tennessee	1208	663	8565	6948	13415	10590

Texas	1671	3189	18281	10507	18624	41552
Three Affiliated Tribes	14	3	6	2	64	108
Utah	1014	215	1364	440	3657	2068
Vermont	139	26	168	52	998	574
Virgin Islands	19	0	14	0	94	0
Virginia	1030	941	6190	5472	7220	6413
Washington	1333	768	3166	2075	15754	13484
West Virginia	253	51	63	257	1880	1274
Wisconsin	934	899	1572	1117	12352	13601
Wyoming	374	394	397	214	2041	4723
Total:	47654	35246	140997	109013	410981	480999

Total Number of Applicators per Federal Commercial Category – 2011

* some applicators hold more than one category

State	1a) Ag Plant	1b) Ag Animal	2) Forest	3) Ornamental & Turf	4) Seed Treatment	5) Aquatic	6) Right of Way	7) Industrial, Institutional, Structural	8) Public Health	9) Regulatory	10) Demo & Research	11) Other	Applicator Totals*
AK			32	388		13	129	203	37	118	78	9	1007
AL	228	1	183	1293	7	94	628	1671	49	9	251	10	4424
AR	915	12	358	498		178	1876	1027	160		525		5549
AZ	273		111	1958	12	370	0	11714		12	0		14450
CA	5496	391	939	9456	867	2467	6431	18467	7177	349	387		52427
CO	1781	6	1055	2767	21	295	1373	1783	218		53	22	9374
CRS	36	0	0	1	0	0	9	0	4	0	0		50
CT	23		8	2537		37	126	1201	10	5	79	1	4027
DC				791		38	47	608	10	0	0	11	1505
DE	261	19	54	827	20	148	195	1201	54	7	37	25	2848
FL	1486	14	1159	12257	2	2245	1848	21824	1400	139	300	47	42721
GA	1465	42	582	5696	37	543	1094	4291	569	50	397	297	15063
GU	15		0	46		0	5	71	0	0			137
HI	28	1	170	235		10	27	890	11	8	91	16	1487
IA	15020	46	319	3887	1435	577	2793	3416	58	5	344	878	28778
ID	2839	39	135	1956	137	233	456	900	414	3199	823		11131
IL	2491	16	188	6168	618	901	3628	3858	50	0	243	352	18513
IN	2388		232	4874	217	523	1680	3084	714			419	14131
KS	1739	63	5	2994	95	105	698	2980	28	225	119	14	9065
KY	987		170	3867	93	141	1880	4994	174	0	248	69	12623
LA	1007		334	848	46	711	1575	1503	601	8	590	376	7599
MA	35		8	1352	0	18	124	1353	14	6	13	16	2939
MD	327	19	157	2055	21	233	1159	1547	171	28	251	173	6141
ME	232	5	89	845	1	66	791	899	0	2	40	23	2993
MI	2725	26	386	13894	188	1318	6198	6570	15	52	230	104	31706
MN	3305	21	272	4516	591	347	1723	1549	525			10789	23638
MO	1293	65	252	2914	127	420	2306	3582	247	1	134		11341
MP	4							26		3			33

MS	290	59	104	399	56	165	575	1194	133	0	478	217	3670
MT	587	114	110	459	106	130	398	194	18	559	169	15	2859
NC	1841	247	1017	13303	91	1490	2708	3904	735	78	835		26249
ND	4143			848	847		1508	634			295	384	8659
NE	4541	300	14	3020	84	358	1624	1908	454	3	69	546	12921
NH	28	0	25	787		15	154	826	0	1	24	0	1860
NJ	170	1	83	6699	3	233	537	5601	685	6	73	1386	15477
NM	538	80	60	1219	10	76	568	1374	167	1	30		4123
NV	238	66	136	649	8	465	679	806	70			8	3125
NY	813	41	94	8826	26	1260	936	12123	871	48	265	53	25356
OH	3559	75	646	10425		1259	3508	7283		1023		103	27881
OK	3428	795	314	7092	319	677	7199	4558	347		1088	186	26003
OR	1966	31	339	3170	51	255	1351	2197	188	140	530	34	10252
PA	518	34	305	7773	11	3787	2303	7639	2306	69	365	71	25181
PR	685	250	106	2901	125	141	432	3624	358	56	79	0	8757
RI	10	0	10	418	0	30	91	557	10	0	14		1140
SC	307	12	245	3044	23	485	885	2048	532	35	196	89	7901
SD	3775	96	74	1365	754	134	1710	781	534	0	13		9236
TAT	60	0		3	4	0	18	7	2	0	4		98
TN	817	0	219	3017	132	140	1015	5911	175		875	1	12302
TX	4501	1138	198	7973	178	652	6297	11865	521	197	376	568	34464
UT	746	26	120	2235	27	144	768	2557	230	65	48	50	7016
VA	633	32	323	4959	19	324	1048	3741	402	31	467	76	12055
VI	10	14		28			0	70	4	0	0		126
VT	115	1	89	449	0	75	148	439	0	1	120	6	1443
WA	7512	386		12913	236	1917	5540	5737		1486			35727
WI	2861	118	576	5994	220	800	1232	2506				105	14412
WV	70	22	91	395	0	61	13	1393	19	6	112		2182
WY	1543	347	104	1853	52	139	961	374	223	129	81	80	5886
	92704	5071	12600	201136	7917	27243	83005	193063	21694	8160	11839	17629	682061