

## Northeast IPM Center - 2013 Spotted Wing Drosophila Working Group Priorities

Priorities with the higher "Rating" have a higher priority ranking. Ratings range from 0 to 100, with 100 being highest priority. Priorities were rated during the SWD IPM Working Group meeting on October 30, 2013.

Rank	SWD Research Priorities	Rating
1	Know what to do - recommendations for next season	89.84
2	Insecticide application technology	85.04
3	Dispersal and migration / population genetics	84.39
4	Behavioral control (repellants, attract & kill, mass trapping, push/pull, trap crops)	84.23
5	Optimize use of insecticides (# applications, etc.)	83.45
6	New chemicals	81.76
7	Life cycle and ecology	79.88
8	Insecticide residue degradation and modeling (weathering properties, rainfastness)	79.59
9	Identification of host-plant volatiles	78.79
10	Overwintering biology	78.63
11	Full insecticide screening	77.26
12	Spray materials - season long - ovicide materials	76.61
13	Optimizing sampling and management practices	76.36
14	Biological control	74.85
15	Feeding stimulants - synergists - adjuvants	74.66
16	Early detection monitoring tools	74.56
17	Organic research - materials	74.41
18	Insecticide resistance management	72.67
19	Life cycle research and DD to better time control management	70.91
20	Cultural control	70.71
21	Developmental models - predictions, validation	70.53
22	Landscape ecology - better understanding	68.59
23	Curative control - systemic insecticides - kill maggot	65.39
24	Early season hosts and refugia	64.64
25	Post-harvest management - packing houses	63.53
26	Mechanisms for post harvest treatment, ie, defect sorting etc.	63.45
27	Collaborations with researchers from other countries	61.52
28	Exclusion for small growers	58.19
29	Sanitation	55.03
30	Symbionts associated with SWD (fungi, bacteria, spirochetes, etc.)	54.69
31	SWD genetic control	54.24
32	Host resistance mechanisms	51.69
33	Resistant varieties	51.23
34	Identify characteristics of firm fruit for SWD oviposition and of fruit after oviposition/time when fruit softens	50.94
35	Treatment thresholds	50.25
36	Variety preferences	48.81
37	Role of ground cover management	47.88
38	Mechanical control in greenhouses	45.77
39	Damage to different crops (other than berries)	41.28

Rank	SWD Extension Priorities	Rating
1	Develop recommendations for 2013 as part of an IPM program	93.33
2	Continue working group, networking	89.78
3	Education on monitoring, fields/berries, SWD identification	80.23
4	Preparation for next year	78.73
5	Bring educational resources together for grower use	76.27
6	Info on sprayer technology	74.48
7	Allow for unique properties of each insecticide in recommendations and management programs	70.87
8	IPM for invasive species, as well as detection	69.23
9	Grower awareness of problem and post harvest treatment	68.83
10	Grower education of full impact of problem and research efforts	66.00
11	Establish a clearing house for information - international; distill in user friendly form for SWD IPM	65.44
12	Call for summit: ext, research, govt, regulatory, policy, APHIS (national statement), industry (grower, chem)	64.34
13	Train consultants	63.21
14	Overhead chemigation information	62.23
15	Distinguish between large and small acreage grower needs	59.43
16	Training on invasive species	58.60
17	Education of master gardeners	53.57
18	Look at international education efforts	52.28

Rank	SWD Regulatory Priorities	Rating
1	New chemicals	89.25
2	National sec 18 system and 2ee, expand 'me too'	85.74
3	Est. a working group - industry, growers, extension, for economic impact	85.67
4	Building funding and resources for staffing	77.69
5	OMRI clearance of materials	74.64
6	As short as feasible PHI across crops	73.27
7	Est. MRL's for export markets	72.18
8	Pesticide container size in small amounts	68.83
9	Labels for chemigation	63.81

Rank	SWD Education Priorities	Rating
1	Educating policy makers/legislators/regulators on invasives/impacts	91.83
2	Info. for growers to respond to public on SWD or media [US Highbush council]	83.31
3	Media kit [use BMSB as example]	70.81
4	Engaging/joining IPM voice	65.73
5	Company education on labeling and crop uses	62.11
6	Consumer education	62.03