

Table 4. Arthropod and disease pest ratings^S on flowers for assorted species grown in a saran-shaded or full sun field, sprayed on demand at Bradenton, FL, and grouped within classes according to plant type and height, foliage color, fruit color, and flower type and color.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating ^U	Overall Fol./Flow. Pest Rating ^V	Dead Plants ^W	Adjusted Overall Performance ^X
	Rating ^T 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
Abutilon (<i>A. x hybridum</i> Hort.); flowering maple or Chinese bell flower <i>Red shades/tints class</i>												
Bella Deep Coral	4.3 ^Y	----	----	----	7.0	----	----	----	5.6	5.6	1.0	3.5
Bella Red	4.3 ^{NS}	----	----	----	7.0 ^{NS}	----	----	----	5.6 ^{NS}	5.7 ^{NS}	2.0 ^{NS}	2.8

Best of class: Bella Coral Deep – PamAmerican Seed.

^S Flower pest ratings for arthropods and disease on a 1 to 7 scale: 7- all foliage was free from arthropod feeding scars; 4- average flower condition, minimal pest damage to tissue, but flowers was still acceptable; 1- flowers severely infested and damage unacceptable, making flowers undesirable. Ornamental pepper was the only crop for which fruit was rated instead of flowers. Lobelia ‘Fan Burgundy’ did not flower during the rating period, therefore an overall performance rating could not be generated.

^T **Rating 1** dates: 13-20 April (alyssum, marigold, melampodium, ornamental basil, and zinnia), 27 April (ageratum, celosia, dianthus, gazania, lobelia, nierembergia, ornamental pepper, phlox, salvia, torenia, and verbena), 26 May (tithonia); 24 May (abutilon, begonia, ornamental pepper, platycodon, rudbeckia, and osteospermum); **rating 2** dates: 8 May (alyssum, marigold, melampodium, ornamental basil, and zinnia), 19-27 May (all other crops, except tithonia), 10-13 June (abutilon, begonia, ornamental pepper, osteospermum, platycodon, rudbeckia, and tithonia); **rating 3** dates: 26 May (all crops, except abutilon, begonia, ornamental pepper and platycodon; bloomed/matured fruit later; see footnote Z).

^U Overall flower pest rating = (average arthropod flower+ disease flower ratings)/2.

^V Overall foliage/flower pest rating = [overall foliage (Fo.) pest rating (Table 3) + overall flower (Fl.) pest rating (Table 4)]/2.

^W This is the average number of dead plants/plot for each cultivar (dp). The value is used to calculate the adjusted overall performance.

^X The adjusted overall performance formula is $OP_{adj} = Q + P_{adj}/2$, where Q = overall foliage/flower ratings (Table 2) and $P_{adj} = P - (dp \times dpf)$; P is the overall foliage/flower pest rating; dp = number of dead plants/plot and dpf = dead plant factor. The value dpf = number plants per plot/highest rating possible. For a 5-plant plot, dpf was 5 plants/7, or 0.71. Cultivars ≥ 6.0 were considered outstanding, 5.5 to 5.9 as very good performers, ≤ 5.4 to 5.0, and 4.0 – 4.9 as fair, and < 4.0 as poor. There were no poor performers. The highest value (whether or not it is significantly higher than another) is selected as best of class. Best of class may have an overall performance that is fair to poor for a class by our standards, indicating that the class does not do well, based on cultivars trialed, and the selected cultivar is currently the best performer. Best of class is used as the standard by which all future entries will be compared, until a better performer replaces it.

^Y Mean separation within classes by LSD, $P < 0.05$.

^Z No data taken for: abutilon (hidden flowers); ageratum (gone to seed); begonia (later blooming; end of rating for season); hybrid lobelia (no flowering during season); ornamental pepper (later fruit maturity; end of rating for season); osteospermum (not many flowers); platycodon (not many plants left alive); rudbeckia (many dead plants); sunflower (gone to seed).

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
<i>Orange shades/tints class</i>												
Bella Apricot	6.3 a	----	----	----	6.8	----	----	----	6.5 a	6.2	0.8	4.0
Bella Salmon	4.0 b	----	----	----	7.0 ^{NS}	----	----	----	5.5 b	5.3 ^{NS}	2.3 ^{NS}	2.9 ^{NS}
Best of class: Bella Apricot – PamAmerican Seed.												
Ageratum (<i>A. houstonianum</i> Mill.); Mexican ageratum; floss flower <i>Dwarf – pink shades/tints class</i>												
Hawaii Shell Pink	6.5	7.0	----	6.8	7.0	7.0	----	7.0	6.9	6.5	0.8	5.3
Best of class: Hawaii Shell Pink – Bodger Seeds, uncontested.												
<i>Tall – blue class</i>												
Leilani Blue	7.0	7.0	----	7.0	7.0	7.0	----	7.0	7.0	6.6	1.0	5.3
Best of class: Leilani Blue – Goldsmith Seeds, uncontested.												
Alyssum [<i>Lobularia maritima</i> (L.) Desv.]; sweet alyssum <i>Purple – dark blue violet shades/tints class</i>												
Wonderland Deep Purple	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	2.0	4.9
Best of class: Wonderland Deep Purple – Bodger Seeds, uncontested.												
<i>Purple – light blue violet shades/tints class</i>												
Wonderland Lavender	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	2.5	5.2
Best of class: Wonderland Lavender – Bodger Seeds, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
Basil, ornamental (<i>Ocimum basilicum</i> L.)												
<i>Purple/cream w/green leaf class</i>												
Magical Michael	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.5	0.0	5.2
Best of class: Magical Michael – PanAmerican Seed, uncontested.												
Begonia, angel-wing leaf (<i>B. × hybrida</i> Hort.)												
<i>Pink class</i>												
Dragon Wing Pink	----	7.0	----	----	----	7.0	----	----	7.0	6.3	0.7	4.6
Best of class: Dragon Wing Pink – , uncontested.												
Begonia, fibrous rooted (<i>B. × semperflorens-cultorum</i> Hort.)												
<i>Red w/green leaf class</i>												
Olympia Sprint Red	7.0	6.3	----	6.7	7.0	7.0	----	7.0	6.9	6.8	0.7	5.2
Best of class: Olympia Sprint Red – Ernst Benary of America, uncontested.												
<i>Rose w/green leaf class</i>												
Olympia Sprint Rose	7.0	6.7	----	6.8	7.0	7.0	----	7.0	6.9	6.7	0.3	5.6
Best of class: Olympia Sprint Rose – Ernst Benary of America, uncontested.												
<i>White w/green leaf class</i>												
Olympia Sprint White	7.0	5.3	----	6.2	7.0	7.0	----	7.0	6.6	6.3	1.0	4.7
Best of class: Olympia Sprint White – Ernst Benary of America, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
Celosia (<i>C. argentea</i> L. var. <i>cristata</i> (L.) Kuntze Childsii Group); braincoral cockscomb												
<i>Red shades/tints w/bronze leaf class</i>												
Prestige Scarlet	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.8	0.0	6.0
Best of class: Prestige Scarlet – Sakata Seed America, uncontested.												
Dianthus – interspecific hybrids												
<i>Tall – white to pink color shift class [D. chinensis (Linn.) X D. Barbatus (Linn.)]</i>												
First Love	5.8	4.3	6.3	5.4	7.0	7.0	6.8	6.9	6.2	6.1	2.3	4.3
Best of class: First Love – Ball Seed, uncontested.												
<i>Tall – pink class (D. interspecific)</i>												
Melody Pink	7.0	6.3	6.0	6.4	7.0	7.0	6.8	6.9	6.7	6.8	0.0	5.8
Best of class: Melody Pink – Sakata Seed America, uncontested.												
<i>Tall – white class (D. interspecific)</i>												
Melody White	7.0	6.8	7.0	6.9	7.0	7.0	7.0	7.0	7.0	6.8	2.3	4.7
Best of class: Melody White – Sakata Seed America, uncontested.												
Gazania [<i>G. rigens</i> (L.) Gaertn. (syn. <i>G. splendens</i> Hort.)]; treasure flower												
<i>Bronze class</i>												
Kiss Bronze	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	0.0	5.8
Best of class: Kiss Bronze – Goldsmith Seeds, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
<i>Bronze to yellow class</i>												
Kiss Bronze Star	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	0.0	5.9
Best of class: Kiss Bronze Star – Goldsmith Seeds, uncontested.												
<i>Mixes class</i>												
Kiss Mixture	6.5	6.3	7.0	6.6	7.0	6.8	7.0	6.9	6.8	6.4	0.0	5.4
Best of class: Kiss Mixture – Goldsmith Seeds, uncontested.												
<i>Orange class</i>												
Kiss Orange	4.5	6.5	7.0	6.0	7.0	7.0	7.0	7.0	6.5	6.2	0.5	5.0
Best of class: Kiss Orange – Goldsmith Seeds, uncontested.												
<i>Rose to white class</i>												
Kiss Rose	7.0	6.0	7.0	6.7	7.0	7.0	7.0	7.0	6.8	6.8	0.5	5.1
Best of class: Kiss Rose – Goldsmith Seeds, uncontested.												
<i>White class</i>												
Kiss White	6.0	6.3	7.0	6.4	7.0	7.0	7.0	7.0	6.7	6.2	0.8	5.0
Best of class: Kiss White – Goldsmith Seeds, uncontested.												
<i>Yellow class</i>												
Kiss Yellow	6.0	6.5	7.0	6.5	7.0	7.0	7.0	7.0	6.8	6.5	0.3	5.6
Best of class: Kiss Yellow – Goldsmith Seeds, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
<i>Yellow shades/tints class</i>												
Kiss Golden Yellow	7.0	6.3	7.0	6.8	7.0	7.0	7.0	7.0	6.9	6.8	0.0	5.4
Best of class: Kiss Golden Yellow – Goldsmith Seeds, uncontested.												
Lobelia interspecific hybrids <i>(L. speciosa Sweet; hybrids of L. fulgens Willd., L. cardinalis Linn., and L. siphilitica Linn.)</i> <i>Purple – dark red violet class</i>												
Fan Burgundy	----	----	----	----	----	----	----	----	----	----	2.0	----
Best of class: Fan Burgundy – Ernst Benary of America, uncontested.												
Lobelia (<i>L. erinus</i> Linn.); trailing/edging lobelia <i>Purple – blue violet shades/tints class</i>												
Palace Lilac	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	3.3	4.2
Best of class: Palace Lilac – Bodger Seeds, uncontested.												
<i>Blue shades/tints class</i>												
Palace Sky Blue	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.8	4.1
Best of class: Palace Sky Blue – Bodger Seeds, uncontested.												
Marigold (<i>Tagetes erecta</i> Linn.); African marigold <i>Mixes class</i>												
Atlantis Mixture	6.8	7.0	7.0	6.9	7.0	6.3 a	7.0	6.8 a	6.8	6.8	0.8	5.3
Inca II Mix	7.0 ^{NS}	7.0 ^{NS}	7.0 ^{NS}	7.0 ^{NS}	7.0 ^{NS}	5.0 b	7.0 ^{NS}	6.4 b	6.7 ^{NS}	6.6 ^{NS}	0.5 ^{NS}	5.0 ^{NS}
Best of class: Atlantis Mixture – Bodger Seeds.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
Marigold (<i>Tagetes patula</i> Linn.); French marigold												
<i>Dwarf – double gold class</i>												
Bonanza Gold	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	0.0	6.2
Best of class: Bonanza Gold – PanAmerican Seed, uncontested.												
<i>Dwarf – double orange class</i>												
Bonanza Orange	7.0	6.5	7.0	6.9	7.0	7.0	7.0	7.0	6.9	7.0	0.0	6.1
Best of class: Bonanza Orange – PanAmerican Seed, uncontested.												
<i>Dwarf – double orange shades/tints class</i>												
Safari Tangerine	7.0	6.3	7.0	6.8	7.0	6.8	7.0	6.9	6.8	6.8	0.0	6.0
Best of class: Safari Tangerine – Bodger Seeds, uncontested.												
<i>Dwarf – double – red/gold class</i>												
Safari Red	7.0	6.5	7.0	6.9	7.0	7.0	7.0	7.0	6.9	6.8	0.0	5.9
Best of class: Safari Red – Bodger Seeds, uncontested.												
<i>Dwarf – double – yellow class</i>												
Safari Yellow	7.0	6.3	7.0	6.8	7.0	6.8	7.0	6.9	6.8	6.8	0.3	6.2
Best of class: Safari Yellow – Bodger Seeds, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
Melampodium (<i>M. paludosum</i> H.B. & K.)												
<i>Gold class</i>												
Million Gold	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.3	4.6
Best of class: Million Gold – American Takii, uncontested.												
Nierembergia (<i>N. caerulea</i> Gillies ex Miers); cupflower												
<i>White class</i>												
Mont Blanc	6.8	6.5	7.0	6.8	7.0	5.3	4.8	6.8	6.2	6.1	1.0	5.2
Best of class: Mont Blanc – American Takii, uncontested.												
Ornamental Pepper (<i>Capsicum annuum</i> Linn.)												
<i>Yellow to orange to red w/green leaf class</i>												
Chilly Chili	7.0	5.5	----	6.3	7.0	6.3	----	6.6	6.5	6.7	0.0	5.8
Best of class: Chilly Chili – Syngenta Seeds, uncontested.												
<i>Dwarf – Yellow to orange to red fruit w/green leaf class</i>												
Explosive Blast	7.0	6.0	----	6.5	7.0	6.8	----	6.9	6.7	6.9	0.3	5.4
Explosive Ignite	7.0 ^{NS}	6.0 ^{NS}	----	6.5 ^{NS}	7.0 ^{NS}	6.3 ^{NS}	----	6.6 ^{NS}	6.6 ^{NS}	6.8 ^{NS}	0.3 ^{NS}	5.4 ^{NS}
Best of class: Explosive Ignite – Syngenta Seeds.												
<i>Purple to red fruit w/purple leaf class</i>												
Explosive Ember	7.0	6.5	----	6.8	7.0	7.0	----	7.0	6.9	7.0	0.3	5.4
Best of class: Explosive Ember – Syngenta Seeds, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
Osteospermum (<i>O. ecklonis</i> (DC.) Norlindh); African daisy												
<i>Mixes class</i>												
Passion Mix	7.0	7.0	----	7.0	7.0	7.0	----	7.0	7.0	7.0	0.8	5.2
Best of class: Passion Mix – American Takii, uncontested.												
Phlox (<i>P. drummondii</i> Hook.); annual phlox												
<i>Mixes class</i>												
Patriot Mix	6.8	6.5	6.0	6.4	7.0	7.0	7.0	7.0	6.7	6.6	0.8	5.8
Best of class: Patriot Mix – Ball Seed, uncontested.												
Platycodon (<i>Platycodon grandiflorum</i> A.DC.); balloonflower												
<i>Double – blue class</i>												
Astra Semi-double Blue	6.0	6.3	----	6.2	7.0	7.0	----	7.0	6.6	6.8	5.3	2.4
Best of class: Double Blue – Daehnfeldt, uncontested.												
<i>Pink class</i>												
Astra Pink	7.0	6.0	----	6.5	7.0	7.0	----	7.0	6.8	6.9	4.8	2.7
Best of class: Astra Pink – Daehnfeldt, uncontested.												
<i>White class</i>												
Astra White	7.0	6.3	----	6.6	7.0	6.5	----	6.8	6.7	6.9	2.8	3.7
Best of class: Astra White – Daehnfeldt, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
Portulaca (<i>P. grandiflora</i> Hook.); moss rose <i>Orange shades/tints class</i>												
Sundial Peach	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.6	0.0	5.6
Best of class: Sundial Peach – Bodger Seeds, uncontested.												
Rudbeckia (<i>R. hirta</i> Linn.); black-eyed Susan <i>Mixes class</i>												
Becky Mix	7.0	5.3	----	6.2	7.0	7.0	----	7.0	6.6	6.4	2.8	4.2
Best of class: Becky Mix – American Takii, uncontested.												
Salvia (<i>S. splendens</i> Ker-Gawl.); scarlet sage <i>Dwarf – red/green class</i>												
Sangria	7.0	7.0	6.8	6.9	3.8	3.3	2.3	3.1	5.0	5.6	1.5	3.7
Best of class: Sangria – American Takii, uncontested.												
Sunflower (<i>Helianthus annuus</i> Linn.) <i>Medium – double; yellow/brown class</i>												
Lemon Éclair	7.0	7.0	----	7.0	7.0	7.0	----	7.0	7.0	6.4	1.0	5.4
Best of class: Lemon Éclair – Ball Seed, uncontested.												
<i>Medium – double; yellow/green class</i>												
Starburst Aura	7.0	7.0	----	7.0	7.0	7.0	----	7.0	7.0	6.0	2.5	3.2
Best of class: Starburst Aura – Ball Seed, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
<i>Medium – dark red class</i>												
Chianti	7.0	7.0	----	7.0	7.0	7.0	----	7.0	7.0	6.6	0.5	4.9
Best of class: Chianti – Ball Seed, uncontested.												
<i>Medium – orange class</i>												
Dorado	5.0	----	----	----	5.3	----	----	----	5.1	4.6	0.8	3.2
Best of class: Dorado – Ball Seed, uncontested.												
<i>Tall – red/gold class</i>												
Sundown	7.0	7.0	----	7.0	7.0	7.0	----	7.0	7.0	6.5	0.0	5.3
Best of class: Sundown – Ball Seed, uncontested.												
Tithonia (<i>T. rotundifolia</i> S.F.Blake); Mexican sunflower												
<i>Dwarf – orange class</i>												
Fiesta Del Sol	7.0	6.0	----	6.5	7.0	7.0	----	7.0	6.8	6.9	0.8	4.5
Best of class: Fiesta Del Sol – Ernst Benary of America, uncontested.												
Torenia (<i>T. fournieri</i> Linden ex Fourn.); bluewings or wishbone flower												
<i>Purple – dark blue violet/white class</i>												
Duchess Burgundy	6.8	7.0	7.0	6.9	7.0	7.0	7.0	7.0	7.0	6.7	1.0	5.5
Best of class: Duchess Burgundy – Ernst Benary of America, uncontested.												

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	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
Verbena (<i>Verbena x hybrida</i> Groenl. & Ruempl.); garden verbena												
<i>Mixes class</i>												
Crystal Ball Mix	6.0 b	6.3	5.5	5.9 b	5.0 b	6.0 b	6.5 a	5.8 b	5.9 b	5.6 b	1.0	4.6 b
Quartz Waterfall Mix	6.3 b	6.3	6.3	6.3 ab	5.0 b	6.3 b	5.0 b	5.4 b	5.9 b	6.1 b	0.8	5.0 b
Serenity Mix	7.0 a	7.0 ^{NS}	7.0 ^{NS}	7.0 a	7.0 a	7.0 a	7.0 a	7.0 a	7.0 a	7.0 a	0.0	6.5 a
Best of class: Serenity Mix – American Takii.												
<i>Red/white class</i>												
Quartz Red Eye	6.3	6.3	6.5	6.3	6.0	6.0	6.5	6.1	6.2	6.1	0.3	5.1
Best of class: Quartz Red Eye – PanAmerican Seed, uncontested.												
Zinnia (<i>Z. angustifolia</i> H.B. & K.); narrow leaved zinnia												
<i>White class</i>												
Crystal White	7.0	6.8	6.8	6.9	7.0	6.0	3.0	5.3	6.1	6.3	4.0	3.8
Best of class: Crystal White – PanAmerican Seed, uncontested.												
Zinnia (<i>Z. elegans</i> Sesse & Moc.); garden zinnia												
<i>Gold class</i>												
Sun Gold	6.5	6.8	6.8	6.7	7.0	7.0	5.8	6.6	6.6	6.3	0.0	5.4
Best of class: Sun Gold – Sakata Seed America, uncontested.												
<i>Mixes class</i>												
Sun Mix	5.0	6.3	6.8	6.0	6.5	6.5	5.3	6.1	6.1	5.8	0.0	4.9
Best of class: Sun Mix – Sakata Seed America, uncontested.												

Table 4. Continued.

Cultivar	Arthropod – Flower/fruit				Disease – Flower/fruit				Overall Flower Pest Rating	Overall Fol./Flow. Pest Rating	Dead Plants	Adjusted Overall Performance
	Rating 1	Rating 2	Rating 3	Avg	Rating 1	Rating 2	Rating 3	Avg				
<i>Red class</i>												
Sun Red	5.5	5.3	6.3	5.7	7.0	7.0	6.3	6.8	6.2	5.9	0.0	5.3
Best of class: Sun Red – Sakata Seed America, uncontested.												
Zinnia – interspecific hybrids (<i>Z. hybrida</i> Hort.Par.ex Poir.); narrow leaf zinnia x garden zinnia												
<i>Red shades/tints class</i>												
Profusion Cherry	7.0	6.3	6.8	6.7	7.0	6.3	6.0	6.4	6.5	6.5	0.3	5.5
Best of class: Profusion Cherry – Sakata Seed America, uncontested.												
<i>Orange class</i>												
Profusion Orange	7.0	5.8	6.8	6.5	6.8	7.0	6.0	6.6	6.6	6.6	0.5	5.8
Best of class: Profusion Orange – Sakata Seed America, uncontested.												
<i>White class</i>												
Profusion White	7.0	6.8	6.5	6.8	7.0	5.5	5.5	6.0	6.4	6.4	0.0	5.9
Best of class: Profusion White – Sakata Seed America, uncontested.												