

Supplementary Material

Article

Influence of Cultivar-Dependent *Alstroemeria* Floral Emissions on *Frankliniella occidentalis* Host Selection Behavior

Luis Gerardo Cubillos-Quijano ¹, Marco Antonio Díaz ¹, Daniel Rodríguez ^{1,*} and Ericsson Coy-Barrera ^{2,*}

¹Biological Control Laboratory, Faculty of Basic and Applied Science, Universidad Militar Nueva Granada, Cajicá 250247, Colombia

²Bioorganic Chemistry Laboratory, Faculty of Basic and Applied Science, Universidad Militar Nueva Granada, Cajicá 250247 Colombia

*Correspondence: daniel.rodriguez@unimilitar.edu.co (D.R.), ericsson.coy@unimilitar.edu.co (E.C.-B.)

Content

Table S1. Analysis outcome on data from the farm's pest monitoring plan (Page 2)

Figure S1. Plot distribution map of the commercial farm (Page 3)

Figure S2. Illustration of the field map for the organization of sowing rows (Page 3)

Table S1. Analysis outcome on data from the farm's pest monitoring plan, used for management decisions. The average number of thrips found in nine stems per row per week was calculated for each cultivar over one year. This analysis identified two *Alstroemeria* cultivars with the highest and two with the lowest WFT occurrence among the forty examined *Alstroemeria* cultivars available in the crop. The selected *Alstroemeria* cultivars are highlighted in Yellow.

Variety	Average	Standard Dev.	Samples	S.E.
HIMALAYA (N=500)	6.6	11.48474635	500	0.51361347
COTEDAZUR (N=1876)	5.1	10.97031834	1876	0.25328112
MISTIQUE (N=832)	2.9	6.940130491	832	0.24060573
WHISTLER (N=32)	2.8	4.373213921	32	0.7730823
REMBRANDT (N=1372)	2.3	6.782059199	1372	0.18309839
AVALANGE (N=1675)	2.3	5.098011748	1675	0.12456425
CHICAGO (N=1484)	2.2	5.550812901	1484	0.14409192
NEMO (N=314)	1.7	3.280587684	314	0.18513427
FUJI (N=2078)	1.6	4.147087196	2078	0.09097465
PUMORI (N=892)	1.6	3.460637694	892	0.11587072
PRIMADONA (N=4670)	1.4	3.789179834	4670	0.05544811
DORIS (N=520)	1.2	3.035570459	520	0.13311857
SENNA (N=192)	1.1	3.802942165	192	0.27445371
REBECCA (N=384)	1.1	2.433346392	384	0.12417619
SUNNY (N=296)	1.1	3.138314056	296	0.1824108
NADIA (N=644)	1.0	2.603006271	644	0.10257282
HOTPEPPER (N=138)	0.7	1.975037276	138	0.16812634
BELLAHONEY (N=364)	0.6	1.887319767	364	0.09892243
ROME (N=516)	0.6	1.984097043	516	0.087345
FIRENZE (N=400)	0.4	1.25903004	400	0.0629515
DIMENSION (N=714)	0.3	1.5506104	714	0.05803014
CARMINE (N=680)	0.3	1.708507056	680	0.06551825
BELLASTAR (N=200)	0.2	0.863788547	200	0.06107907
SHAKIRA (N=304)	0.2	0.913394051	304	0.05238674
TWISTER (N=790)	0.2	0.929709432	790	0.03307758
ORANGE (N=364)	0.2	0.566920011	364	0.02971468
WHITEFOREST (N=76)	0.2	0.491328311	76	0.05635922
LUNA (N=100)	0.2	0.641573193	100	0.06415732
CHAPEAU (N=1086)	0.1	0.836781741	1086	0.02539202
ISOLA (N=96)	0.1	0.386022225	96	0.03939823
ORANGEQUEEN (N=48)	0.1	0.319990026	48	0.04618658
NORA (N=677)	0.0	0.605180425	677	0.02325897
MARSMELLOW (N=68)	0.0	0.363803438	68	0.04411765
SN (N=104)	0.0	0.309182352	104	0.03031782
VOYAGER (N=168)	0.0	0.39294462	168	0.03031634
KRISTEL (N=44)	0.0	0.150755672	44	0.02272727
HERCULES (N=90)	0.0	0.105409255	90	0.01111111
DANCING (N=18)	0.0	0	18	0
KUROSAWA (N=12)	0.0	0	12	0



Figure S1. Plot distribution map of the commercial farm complex, divided into six greenhouses 1-6 for *Alstroemeria* crop. Each greenhouse with 192 sowing rows (30 m long and 1.3 m wide, separated by 0.7 m). Each row was divided into nine parts of equal area.

Greenhouse (1,2,.....,6)																			
	Equal Area Sections of the sowing row (1-9)									PATH	Equal Area Sections of the sowing row (1-9)								
	9	8	7	6	5	4	3	2	1		1	2	3	4	5	6	7	8	9
Sowing row 1	Cultivar Himalaya																		
Sowing row 2	Cultivar Nadia																		
Sowing row 3	Cultivar Himalaya																		
Sowing row 4	Cultivar Firenze																		
.																			
.																			
.																			
.																			
.																			
.																			
.																			
Sowing row 192																			

Figure S2. Illustration of the field map for the organization of sowing rows (n = 192) in each greenhouse.