

**REPORTS OF INDICATORS FOR SURVEILLANCE / ERADICATION / FRUIT FLY PROGRAM/ PHITOSANITARY SUBDEPARTMENT / PLANT PROTECTION DIVISION / SAG**  
**COUNTY: ÑUÑO A - CITY: SANTIAGO - REGION: METROPOLITAN**

WEEKS / REPORTS #	07-03-18 TO 11-03-18 # 1	12-03-18 TO 18-03-18 # 2	19-03-18 TO 25-03-18 # 3	26-03-18 TO 01-04-18 # 4	02-04-18 TO 08-04-18 # 5	09-04-18 TO 15-04-18 # 6	16-04-18 TO 22-04-18 # 7	23-04-18 TO 29-04-18 # 8	30-04-18 TO 06-05-18 # 9	07-05-18 TO 13-05-18 # 10	14-05-18 TO 20-05-18 # 11	21-05-18 TO 27-05-18 # 12	28-05-18 TO 03-06-18 # 13	04-06-18 TO 10-06-18 # 14	11-06-18 TO 17-06-18 # 15	18-06-18 TO 24-06-18 # 16	25-06-18 TO 01-07-18 # 17
<b>ITEMS /WORKS</b>																	
<b>ADULTS DETECTION</b>																	
DATE FIRST DETECTION	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018
DATE LAST DETECTION	07/03/2018	15/03/2018	15/03/2018	15/03/2018	15/03/2018	15/03/2018	21/04/2018	21/04/2018	21/04/2018	12/05/2018	12/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018
N° TOTAL DETECTIONS	2	3	3	3	3	3	4	4	4	5	5	9	9	9	9	9	9
N° WEEK SINCE LAST DETECTION	0	0	1	2	3	4	0	1	2	0	1	0	1	2	3	4	5
N° OF TRAPS AT WORKING AREA	85	1043	1200	1292	1350	1400	1465	1968	1968	1968	1968	1841	1862	1862	1862	1862	1882
N° OF TRAPS INFECTION	21	1157	2599	3787	5079	6890	8505	10284	12054	13709	15043	16798	18806	20579	22221	24328	25554
INSPECTION FRECUENCY	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK
<b>DETECTION OF INMATURE STAGE</b>																	
FIRST LARVAL FOCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAST LARVAL FOCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N° OF DETECTED LARVAL FOCIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N° OF WEEKS SINCE LAST LARVAL FOCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N° OF PLACES VISITED	749	1890	4164	5198	7496	10252	12087	12866	13490	14238	15469	17247	18086	19216	20545	21869	22013
N° OF PLACES WITH FRUIT SAMPLES	88	235	523	678	969	1279	1535	1739	1867	2030	2317	2524	2664	2802	2939	3182	3253
N° FRUIT SAMPLE ANALYZED	327	1.232	2.876	4.158	5.771	7.189	8.838	9.662	10.302	11.271	12.255	14.125	14.987	16.184	16.920	18.402	18.890
N° OF FRUIT UNITS ANALYZED	6421	27177	60934	83454	107061	132944	156222	167580	177911	190092	204570	222885	233591	246588	255053	266667	269942
N° FRUIT KILOS ANALYZED	91,57 Kg	313,03 Kg	723,48 Kg	1036 Kg	1473 Kg	1813 Kg	2317	2557	2770	3132	3634	4276	4575	5061	5360	5885	6102
N° FRUIT SPECIES ANALYZED	21	31	31	46	55	58	60	60	61	61	61	63	63	64	65	65	65
UNITS OF INFESTED FRUIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACCUMULATIVE INFECTION PERCENTAGE (1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N° OF FRUIT SPECIES INFESTED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>CONTROL FOR INMATURE STAGES AND ADULTS</b>																	
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	1331	2961	5657	7025	9505	10577	12625	14889	17153	17809	18713	19313	19313	19348	19354	19354	19354
N° OF PLACES WITH SOIL TREATMENT	5	23	65	75	99	121	142	169	198	241	292	335	367	419	500	594	657
SQUARE MTS2 OF SOIL TREATMENT	5	268	887	1114	1682	2223	2884	3458	4066	5208	5880	6813	7530	8715	9769	11239	1221
LITERS OF DZN APPLIED	50	3.210	11.805	15.335	22.795	28.215	36.035	43.115	51.165	66.095	75.185	89.355	97.445	115.180	128.780	144.820	157.270
KILOS OF FRUIT STRIPPED	140	556	730	732	1523	1770	2432	2971	3473	4208	5107	6053	7262	8465	10309	11731	12901
N° OF FRUIT SPECIES STRIPPED	2	13	13	13	15	15	15	15	15	15	15	15	15	15	15	15	15
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>																	
FIRST CYCLE	44,19 D°	27,90 D°	98,38 D°	189,28 D°	277,55 D°	334,87 D° PLUS 2 DAYS OVIPOSITION	9,60 D°	67,28 D°	113,44 D°	3,0 D°	27,7 D°	3,9 D°	11,84 D°	26,84 D°	42,81 D°	60,87 D°	74,63 D°
SECOND CYCLE	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
THIRD CYCLE	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

(1):Units of fruit infested versus units of fruit analyzed



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COUNTY: NUÑO A - CITY: SANTIAGO - REGION: METROPOLITAN**

ITEMS /WORKS	WEEKS / REPORTS #		02-07-18 TO 08-07-18 # 18	09-07-18 TO 15-07-18 # 19	16-07-18 TO 22-07-18 # 20	23-07-18 TO 29-07-18 # 21	30-07-18 TO 05-08-18 # 22	06-08-18 TO 12-08-18 # 23	13-08-18 TO 19-08-18 # 24	20-08-18 TO 26-08-18 # 25	27-08-18 TO 02-09-18 # 26	03-09-18 TO 09-09-18 # 27	10-09-18 TO 16-09-18 # 28	17-09-18 TO 23-09-18 # 29	24-09-18 TO 30-09-18 # 30	01-10-18 TO 07-10-18 # 31	FINISH FIRST CYCLE	08-10-18 TO 14-10-18 # 32	15-10-18 TO 21-10-18 # 33
	08-07-18 # 18	09-07-18 # 19	02-07-18 # 20	23-07-18 # 21	30-07-18 # 22	06-08-18 # 23	13-08-18 # 24	20-08-18 # 25	27-08-18 # 26	03-09-18 # 27	10-09-18 # 28	17-09-18 # 29	24-09-18 # 30	01-10-18 # 31	08-10-18 # 32	15-10-18 # 33			
<b>ADULTS DETECTION</b>																			
DATE FIRST DETECTION	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018		07/03/2018	07/03/2018
DATE LAST DETECTION	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018		26/05/2018	26/05/2018
N° TOTAL DETECTIONS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		9	9
N° WEEK SINCE LAST DETECTION	6	7	8	9	10	11	12	13	14	15	16	17	18	19				20	21
N° OF TRAPS AT WORKING AREA	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882		1970	1970
N° OF TRAPS INPECTION	26577	28777	30391	32296	33601	35421	37388	39257	40936	42666	44680	45541	47827	49613				50751	51888
INSPECTION FRECUENCY	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK		TWICE A WEEK	TWICE A WEEK
<b>DETECTION OF INMATURE STAGE</b>																			
FIRST LARVAL FOCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
LAST LARVAL FOCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
N° OF DETECTED LARVAL FOCIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
N° OF WEEKS SINCE LAST LARVAL FOCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
N° OF PLACES VISITED	22046	22046	22450	23233	23233	23233	23233	23233	23233	23233	23233	23233	23233	23233	23233	23233		23233	23233
Nº OF PLACES WITH FRUIT SAMPLES	3271	3271	3317	3414	3414	3414	3414	3414	3414	3414	3414	3414	3414	3414	3414	3414		3414	3414
N° FRUIT SAMPLE ANALYZED	19.184	19.203	19.325	19.701	19.701	19.701	19.701	19.701	19.701	19.701	19.872	19.872	19.872	19.872	19.872	19.872		19.872	19.872
Nº OF FRUIT UNITS ANALYZED	271574	271698	272502	274924	274924	274924	274924	274924	274924	274924	275825	275825	275825	275825	275825	275825		275825	275825
N° FRUIT KILOS ANALYZED	6194	6200	6243	6410	6410	6410	6410	6410	6410	6410	6498	6498	6498	6498	6498	6498		6498	6498
N° FRUIT SPECIES ANALYZED	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65		65	65
UNITS OF INFESTED FRUIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
ACCUMULATIVE INFECTION PERCENTAGE (1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
N° OF FRUIT SPECIES INFESTED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
<b>CONTROL FOR INMATURE STAGES AND ADULTS</b>																			
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	19354	19354	19354	19354	19354	19354	19354	19354	19354	19354	19354	19354	19354	19354	19354	19354		19354	19354
N° OF PLACES WITH SOIL TREATMENT	657	662	662	662	665	665	665	665	665	666	666	666	666	666	666	666		666	666
SQUARE MTS2 OF SOIL TREATMENT	12221	12266	12266	12266	12304	12304	12304	12304	12304	12314	12314	12314	12314	12314	12314	12314		12314	12314
LITERS OF DZN APPLIED	157.270	157.720	157.720	157.720	158.120	158.120	158.120	158.120	158.120	158.220	158.220	158.220	158.220	158.220	158.220	158.220		158.220	158.220
KILOS OF FRUIT STRIPPED	12901	13037	13037	13037	13137	13137	13137	13137	13137	13140	13140	13140	13140	13140	13140	13140		13140	13140
N° OF FRUIT SPECIES STRIPPED	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		15	15
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>																			
FIRST CYCLE	86,92 D*	109,07 D*	113,29 D*	117,45 D*	120,35 D*	148,78 D*	161,76 D*	182,67 D*	208,46 D*	250,93 D*	301,31 D*	329,93 D* PLUS 1 DAY OVIPOSITION	329,93 D* PLUS 8 DAYS OVIPOSITION	329,93 D* PLUS 10 DAYS OVIPOSITION			<b>FINISH FIRST CYCLE</b>	.....	.....
SECOND CYCLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		77,16 D*	119,72 D
THIRD CYCLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....

(1):Units of fruit infested versus units of fruit analyzed



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ITEMS /WORKS	WEEKS / REPORTS #				FINISH SECOND CYCLE	19-11-18 TO	26-11-18 TO	03-12-18 TO	10-12-18 TO	17-12-18 TO
	22-10-18 TO 28-10-18 # 34	29-10-18 TO 04-11-18 # 35	05-11-18 TO 11-11-18 # 36	12-11-18 TO 18-11-18 # 37		25-11-18 # 38	02-12-18 # 39	09-12-18 # 40	16-12-18 # 41	23-12-18 # 42
<b>ADULTS DETECTION</b>										
DATE FIRST DETECTION	07/03/2018	07/03/2018	07/03/2018	07/03/2018		07/03/2018	07/03/2018	07/03/2018	07/03/2018	07/03/2018
DATE LAST DETECTION	26/05/2018	26/05/2018	26/05/2018	26/05/2018		26/05/2018	26/05/2018	26/05/2018	26/05/2018	26/05/2018
N° TOTAL DETECTIONS	9	9	9	9		9	9	9	9	9
N° WEEK SINCE LAST DETECTION	22	23	24	25		26	27	28	29	30
N° OF TRAPS AT WORKING AREA	1761	1677	1677	1475		1475	1475	1879	1879	1879
N° OF TRAPS INPECTION	52997	53695	54930	55835		56903	58294	59574	60843	62106
INSPECTION FRECUENCY	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK		ONCE A WEEK	ONCE A WEEK	ONCE A WEEK	ONCE A WEEK	ONCE A WEEK
<b>DETECTION OF INMATURE STAGE</b>										
FIRST LARVAL FOCI	0	0	0	0		0	0	0	0	0
LAST LARVAL FOCI	0	0	0	0		0	0	0	0	0
N° OF DETECTED LARVAL FOCIS	0	0	0	0		0	0	0	0	0
N° OF WEEKS SINCE LAST LARVAL FOCI	0	0	0	0		0	0	0	0	0
N° OF PLACES VISITED	23233	23233	23233	23233		23233	23233	23233	23233	23233
N° OF PLACES WITH FRUIT SAMPLES	3414	3414	3414	3414		3414	3414	3414	3414	3414
N° FRUIT SAMPLE ANALYZED	19.872	19.872	19.872	19.872		19.872	19.872	19.872	19.872	19.872
N° OF FRUIT UNITS ANALYZED	275825	275825	275825	275825		275825	275825	275825	275825	275825
N° FRUIT KILOS ANALYZED	6498	6498	6498	6498		6498	6498	6498	6498	6498
N° FRUIT SPECIES ANALYZED	65	65	65	65		65	65	65	65	65
UNITS OF INFESTED FRUIT	0	0	0	0		0	0	0	0	0
ACCUMULATIVE INFECTION PERCENTAGE (1)	0	0	0	0		0	0	0	0	0
N° OF FRUIT SPECIES INFESTED	0	0	0	0		0	0	0	0	0
<b>CONTROL FOR INMATURE STAGES AND ADULTS</b>										
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	19354	19354	19354	19354		19354	19354	19354	19354	19354
N° OF PLACES WITH SOIL TREATMENT	666	666	666	666		666	666	666	666	666
SQUARE MTS2 OF SOIL TREATMENT	12314	12314	12314	12314		12314	12314	12314	12314	12314
LITERS OF DZN APPLIED	158.220	158.220	158.220	158.220		158.220	158.220	158.220	158.220	158.220
KILOS OF FRUIT STRIPPED	13140	13140	13140	13140		13140	13140	13140	13140	13140
N° OF FRUIT SPECIES STRIPPED	15	15	15	15		15	15	15	15	15
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>										
FIRST CYCLE	.....	.....	.....	.....		.....	.....	.....	.....	.....
SECOND CYCLE	186,05 D*	273,05 D*	336,44 D* PLUS 3 DAY OVIPOSITION	336,44 D* PLUS 10 DAY OVIPOSITION	<b>FINISH SECOND CYCLE</b>	.....	.....	.....	.....	.....
THIRD CYCLE	.....	.....	.....	.....		95,14 D*	183,34 D*	280,78 D*	339,13 D* PLUS 3 DAY OVIPOSITION	339,13 D* PLUS 10 DAY OVIPOSITION <b>OUTBREAK FINISHED</b>

(1):Units of fruit infested versus units of fruit analyzed