



**REPORTS OF INDICATORS FOR SURVEILLANCE / ERADICATION / FRUITY FLY PROGRAM/ PHITOSANITARY SUBDEPARTMENT / PLANT PROTECTION DIVISION / SAG**

**COUNTY: MAIPÚ - CITY: SANTIAGO - REGION: METROPOLITANA**

WEEKS / REPORTS #	23-05-22 TO 29-05-22 # 1	30-05-22 TO 05-06-22 # 2	06-06-22 TO 12-06-22 # 3	13-06-22 TO 19-06-22 # 4	20-06-22 TO 26-06-22 # 5	27-06-22 TO 03-07- 22 # 6	04-07-22 TO 10-07-22 # 7	11-07-22 TO 17-07-22 # 8	18-07-22 TO 24-07-22 # 9	25-07-22 TO 31-07-22 # 10	01-08-22 TO 07-08-22 # 11	08-08-22 TO 14-08-22 # 12	15-08-22 TO 21-08-22 # 13
<b>ITEMS /WORKS</b>													
<b>ADULTS DETECTION</b>													
DATE FIRST DETECTION	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022
DATE LAST DETECTION	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022
N° TOTAL DETECTIONS	2	2	2	2	2	2	2	2	2	2	2	2	2
N° WEEK SINCE LAST DETECTION	0	1	2	3	4	5	6	7	8	9	10	11	12
N° OF TRAPS AT WORKING AREA	374	450	522	522	578	614	652	654	654	692	693	695	695
N° OF TRAPS INPECTION	350	822	1362	1824	2188	2571	3281	3693	4427	5019	5769	6459	7193
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
<b>DETECTION OF INMATURE STAGE</b>													
FIRST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
LAST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF DETECTED LARVAL FOCIS	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF WEEKS SINCE LAST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF PLACES VISITED	318	318	1310	1487	1487	1789	2120	2531	3017	3653	5441	6096	6636
Nº OF PLACES WITH FRUIT SAMPLES	227	227	394	416	416	458	507	582	617	666	740	753	793
N° FRUIT SAMPLE ANALYZED	126	126	220	701	970	971	1144	1402	1531	1747	1985	2067	2105
Nº OF FRUIT UNITS ANALYZED	374	374	3143	6587	9410	9422	10584	12811	14049	16102	18188	18957	19313
N° FRUIT KILOS ANALYZED	22,33	22,33	92,432	365,765	498,025	498,715	570,233	730,598	812,804	957,338	1089,448	1156,378	1174,568
N° FRUIT SPECIES ANALYZED	19	19	21	35	35	35	35	35	35	39	41	41	41
UNITS OF INFESTED FRUIT	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ACCUMULATIVE INFECTION PERCENTAGE (1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF FRUIT SPECIES INFESTED	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>CONTROL FOR INMATURE STAGES AND ADULTS</b>													
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	16	27	38	38	49	60	65,5	65,5	72,5	72,5	93,5	93,5	102,25
N° OF PLACES WITH SOIL TREATMENT	.....	.....	.....	.....	1	1	5	16	34	65	96	176	240
SQUARE MTS2 OF SOIL TREATMENT	.....	.....	.....	.....	20	20	54	149	245	377	419	486	524
LITERS OF DZN APPLIED	.....	.....	.....	.....	200	200	500	1450	2410	3770	4190	4860	5240
KILOS OF FRUIT STRIPPED	.....	.....	.....	.....	30	30	118	260	645	763	846,7	1313,2	1470,2
N° OF FRUIT SPECIES STRIPPED	.....	.....	.....	.....	1	1	3	6	6	13	14	16	16
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>													
FIRST CYCLE	32,36°D	37,33°D	49,39°D	50,54°D	50,54°D	52,67°D	52,73°D	53,02°D	59,21°D	61,94°D	63,2°D	68,88°D	82,03°D
SECOND CYCLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
THIRD CYCLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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

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WEEKS / REPORTS #	22-08-22 TO 28-08-22 # 14	29-08-22 TO 04-09-22 # 15	05-09-22 TO 11-09-22 # 16	12-09-22 TO 18-09-22 # 17	18-09-22 TO 25-09-22 # 18	26-09-22 TO 02-10- 22 # 19	03-10-22 TO 09-10-22 # 20	10-10-22 TO 16-10-22 # 21	17-10-22 TO 23-10-22 # 22	24-10-22 TO 30-10-22 # 23	31-10-22 TO 06-11-22 # 24	07-11-22 TO 13-11-22 # 25	14-11-22 TO 20-11-22 # 26
<b>ITEMS /WORKS</b>													
<b>ADULTS DETECTION</b>													
DATE FIRST DETECTION	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022
DATE LAST DETECTION	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022
N° TOTAL DETECTIONS	2	2	2	2	2	2	2	2	2	2	2	2	2
N° WEEK SINCE LAST DETECTION	13	14	15	16	17	18	19	20	21	22	23	24	25
N° OF TRAPS AT WORKING AREA	695	695	695	695	696	696	696	696	696	695	695	695	695
N° OF TRAPS INSPECTION	7873	8612	9152	9658	10116	10640	10839	11444	11939	12469	12683	12999	13343
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	ONCE A WEEK	ONCE A WEEK	ONCE A WEEK	ONCE A WEEK
<b>DETECTION OF INMATURE STAGE</b>													
FIRST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
LAST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF DETECTED LARVAL FOCIS	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF WEEKS SINCE LAST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF PLACES VISITED	7864	8605	9384	10043	10102	10102	10102	10293	10293	10293	10487	10656	10734
N° OF PLACES WITH FRUIT SAMPLES	853	872	930	957	966	966	966	1006	1006	1006	1036	1047	1051
N° FRUIT SAMPLE ANALYZED	2242	2322	2376	2489	2542	2584	2599	2613	2677	2677	2696	2726	2732
N° OF FRUIT UNITS ANALYZED	20150	20898	21354	22200	22807	23537	23659	23889	24153	24153	24370	24542	24600
N° FRUIT KILOS ANALYZED	1237,088	1281,778	1326,698	1379,458	1414,748	1471,048	1478,568	1486,378	1504,148	1504,148	1507,238	1513,188	1514,038
N° FRUIT SPECIES ANALYZED	41	41	41	41	41	42	42	42	42	42	43	43	44
UNITS OF INFESTED FRUIT	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ACCUMULATIVE INFECTION PERCENTAGE (1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF FRUIT SPECIES INFESTED	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>CONTROL FOR INMATURE STAGES AND ADULTS</b>													
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	111	111	119,75	137,25	137,25	163,5	193,25	214,25	228,25	228,25	228,25	228,25	228,25
N° OF PLACES WITH SOIL TREATMENT	302	374	413	476	514	533	551	586	626	627	627	627	627
SQUARE MTS2 OF SOIL TREATMENT	621	676	727	785	845	858	864	864	883	903	903	903	903
LITERS OF DZN APPLIED	6210	6760	7270	7841	8441	8571	8631	8631	8821	9021	9021	9021	9021
KILOS OF FRUIT STRIPPED	1643,2	1902,2	2033,2	2396,2	2555	2608,2	2703,2	2758,2	2930,2	2930,2	2930,2	2930,2	2930,2
N° OF FRUIT SPECIES STRIPPED	16	24	24	25	25	26	26	26	26	26	26	26	26
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>													
FIRST CYCLE	105,23 °D	124,13 °D	139,28 °D	155,73 °D	172,58 °D	206,13 °D	241,13 °D	284,28 °D	330,58 °D PLUS 1 ADULT DAY	330,58 °D PLUS 5 ADULT DAYS			
SECOND CYCLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,30°D	75,75°D	118°D	229,5°D
THIRD CYCLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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

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WEEKS / REPORTS #	21-11-22 TO 27-11-22 # 27	28-11-22 TO 04-12-22 # 28	05-12-22 TO 11-12-22 # 29	12-12-22 TO 18-12-22 # 30	19-12-22 TO 25-12-22 # 31	26-12-22 TO 22 # 32	31-12-
<b>ITEMS /WORKS</b>							
<b>ADULTS DETECTION</b>							
DATE FIRST DETECTION	21-04-2022	21-04-2022	21-04-2022	21-04-2022	21-04-2022		21-04-2022
DATE LAST DETECTION	25-05-2022	25-05-2022	25-05-2022	25-05-2022	25-05-2022		25-05-2022
N° TOTAL DETECTIONS	2	2	2	2	2		2
N° WEEK SINCE LAST DETECTION	26	27	28	29	30		31
N° OF TRAPS AT WORKING AREA	695	695	695	697	697		697
N° OF TRAPS INPECTION	13785	14054	14560	15068	15411		15799
INSPECTION FRECUENCY	ONCE 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	.....	.....	.....	.....	.....		.....
LAST LARVAL FOCI	.....	.....	.....	.....	.....		.....
N° OF DETECTED LARVAL FOCIS	.....	.....	.....	.....	.....		.....
N° OF WEEKS SINCE LAST LARVAL FOCI	.....	.....	.....	.....	.....		.....
N° OF PLACES VISITED	10734	10734	10734	10734	10734		10734
N° OF PLACES WITH FRUIT SAMPLES	1051	1051	1051	1051	1051		1051
N° FRUIT SAMPLE ANALYZED	2732	2742	2742	2742	2742		2742
N° OF FRUIT UNITS ANALYZED	24.706	24.706	24.706	24.706	24.706		24.706
N° FRUIT KILOS ANALYZED	1518,278	1518,278	1518,278	1518,278	1518,278		1518,278
N° FRUIT SPECIES ANALYZED	44	44	44	44	44		44
UNITS OF INFESTED FRUIT	.....	.....	.....	.....	.....		.....
ACCUMULATIVE INFECTION PERCENTAGE (1)	.....	.....	.....	.....	.....		.....
N° OF FRUIT SPECIES INFESTED	.....	.....	.....	.....	.....		.....
<b>CONTROL FOR INMATURE STAGES AND ADULTS</b>							
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	228,25	228,25	228,25	228,25	228,25		228,25
N° OF PLACES WITH SOIL TREATMENT	627	627	627	627	627		627
SQUARE MTS2 OF SOIL TREATMENT	903	903	903	903	903		903
LITERS OF DZN APPLIED	9.021	9.021	9.021	9.021	9.021		9.021
KILOS OF FRUIT STRIPPED	2.930,20	2.930,20	2.930,20	2.930,20	2.930,20		2.930,20
N° OF FRUIT SPECIES STRIPPED	26	26	26	26	26		26
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>							
FIRST CYCLE							
SECOND CYCLE	348,65°D PLUS 1 ADULT DAY	348,65°D PLUS 5 ADULT DAYS					
THIRD CYCLE	.....	36,10°D	132,95°D	277,5°D	342,75°D PLUS 4 ADULT DAYS	342,75°D PLUS 10 ADULT DAYS. END MAIPÚ (CIUDAD SÁTELITE) OUTBREAK	

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

