

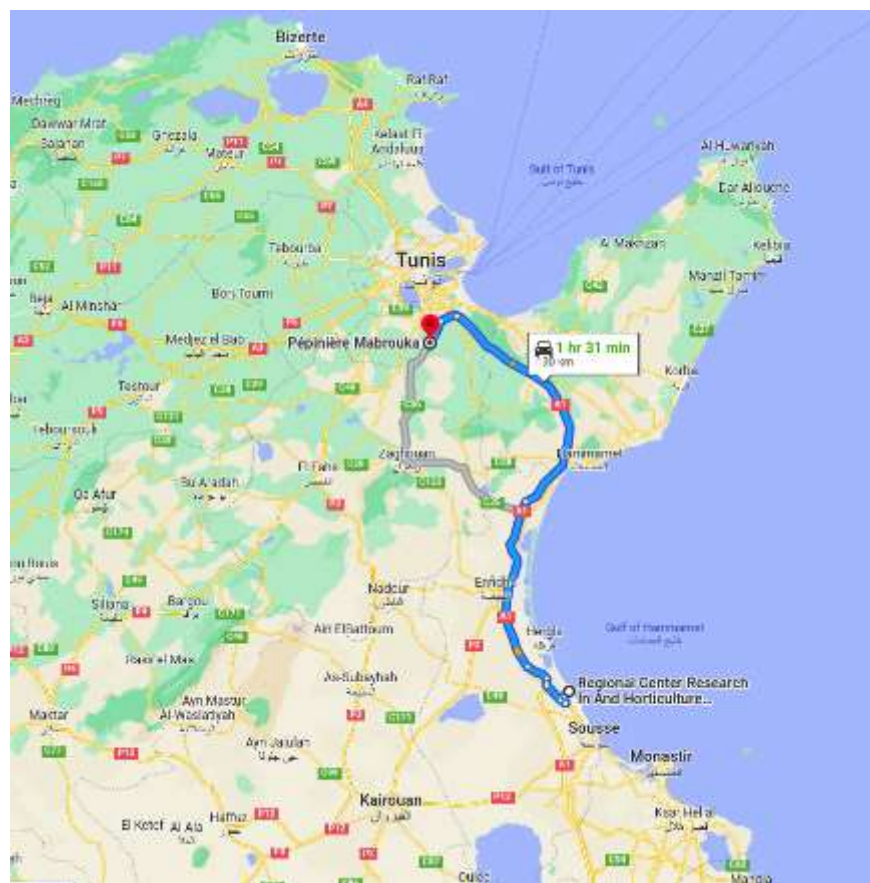


Updated Geodatabase

**Mohamed BRAHAM, Hassib BEN KHEDER and
Ahmed MOUSSA**

**ENICBC MED FruitFlynet ii Project
CRRHAB. Chott-Mariem . Partner 5**





Map of the experimental site (Mabrouka)

Legend



0 200 400 m




Map of the cultivars (Peaches)

Legend

-  SITE
 TREES

PEACH CULTIVARS

-  Extreme 460
 Extreme 568
 PM2
 PM7
 PM9
 PM10
 PM12
 PM14
 PM17
 Sagittaria



0 50 100 m





123 fid

= E

	fid	ID	Label	Area	Harvest Start	Harvest End ▾
1	1	1	Extreme 460	14136	NULL	NULL
2	2	2	Extreme 568	14069	NULL	NULL
3	6	6	PM10	21207	NULL	NULL
4	7	7	PM12	19714	142022/5/	282022/5/
5	10	10	Sagittaria	19717	202022/5/	302022/5/
6	8	8	PM14	14558	302022/5/	62022/6/
7	4	4	PM7	18800	12022/6/	162022/6/
8	5	5	PM9	22454	102022/6/	162022/6/
9	3	3	PM2	9892	142022/6/	232022/6/
10	9	9	PM17	21124	232022/6/	302022/7/

Map of the digitized trees (Peaches)

Legend



SITE

TREES

- Extreme 460
- Extreme 568
- PM2
- PM7
- PM9
- PM10
- PM12
- PM14
- PM17
- Sagittaria



0 50 100 m




Map of Digitized Trees (PM10)

Legend

-  SITE
- TREES**
- PM10



0 50 100 m




MINISTRE DE L'AGRICULTURE DE LA PÊCHE
ET DE LA PÊCHE AQUICOLE DE LA TUNISIE

Map of Digitized Trees (Other Species)

Legend

□ SITE

TREES

- PM7
- PM9
- PM14
- PM17
- ◇ Fig



0 20 40 m



MINISTÈRE DE L'AGRICULTURE DE LA PÊCHE
ET DE LA PÊCHE AQUICOLE DE LA TUNISIE

Map of Digitized Trees (Other Species)

Legend

TREES

- PM9
- PM12
- PM17
- Sagittaria
- Almond



0 20 40 m



MINISTRE DE L'AGRICULTURE DE LA PÊCHE
ET DE LA PÊCHE AQUICOLE DE LA TUNISIE

Map of Digitized Trees (Other Species)

Legend

TREES

- PM12
- Almond



0 5 10 m



MINISTRE DE L'AGRICULTURE DE LA PÊCHE
ET DE LA PÊCHE AQUICOLE DE LA TUNISIE

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help

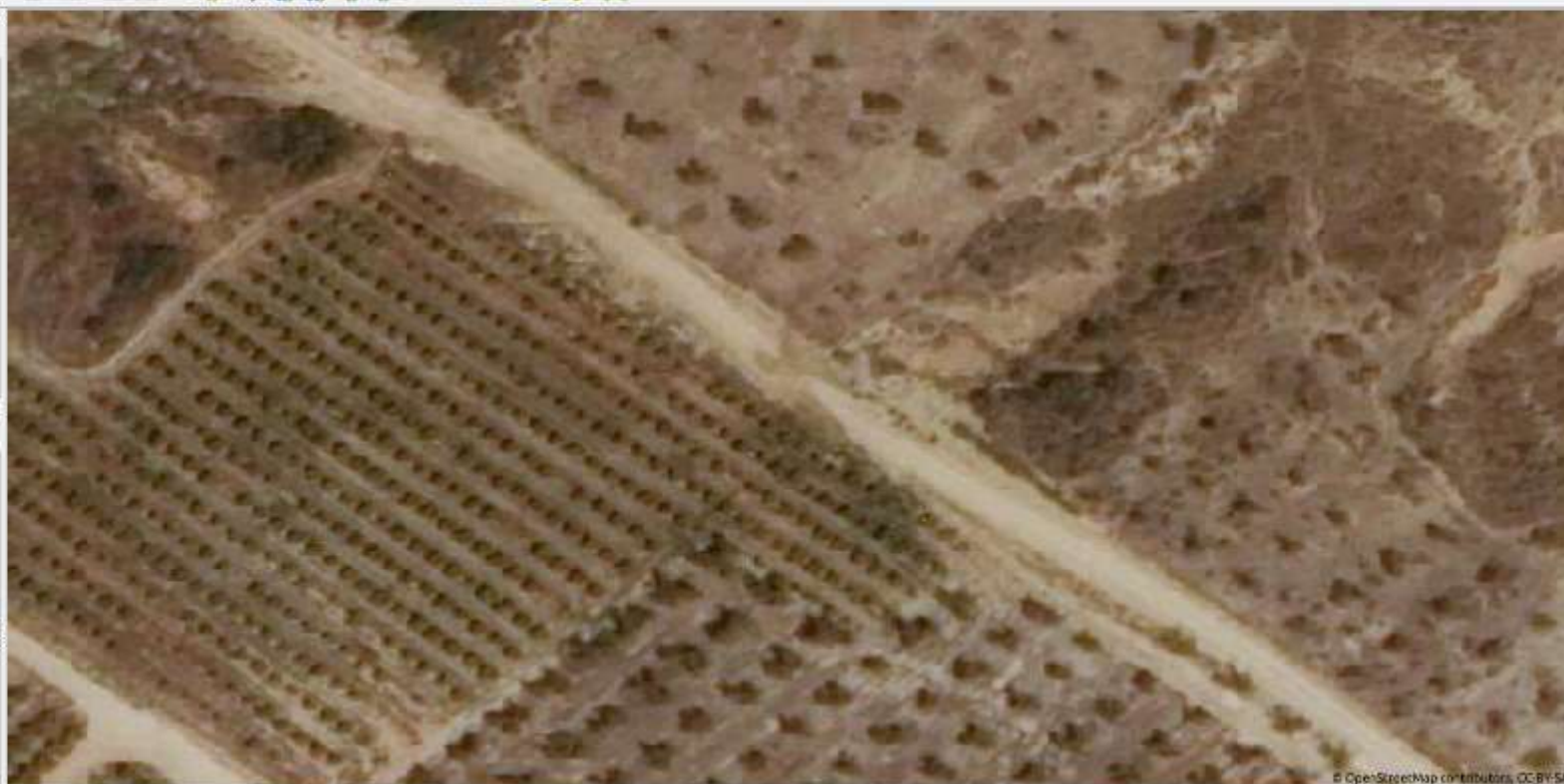


Browser

- ✱ Favorites
- 📁 Spatial Bookmarks
- 📁 Project Home
- 📁 Home
- 📁 /
- 📁 MS SQL Server
- 📁 WMS/WMTS
- 📁 Vector Tiles
- 📁 XYZ Tiles
- 📁 WFS / OGC API - Features
- 📁 WCS
- 📁 ArcGIS REST Servers
- 📁 GeoNode
- 📁 QFieldCloud
- 📁 GeoPackage
- 📁 Spatialite
- 📁 PostgreSQL
- 📁 SAP HANA

Layers

- ☐ SITE
- ☐ SENSORS
- ☐ TRAPS
- ☐ classical_TRAPS
- ☒ TREES
- ☐ ORCHARD
- ☐ LANDUSES
- ☐ PROTECTED ZONES
- ☐ Tree_Species
- ☒ Maxar(GE01)_13-08-20
- ☐ Maxar(WVD2)_05-12-20
- ☐ Bing Virtual Earth
- ☐ OSM Standard
- ☐ Google Satellite



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Type to locate (Ctrl+K)

Coordinate

10,195424 36,665581

Scale

1:35.5

Magnifier

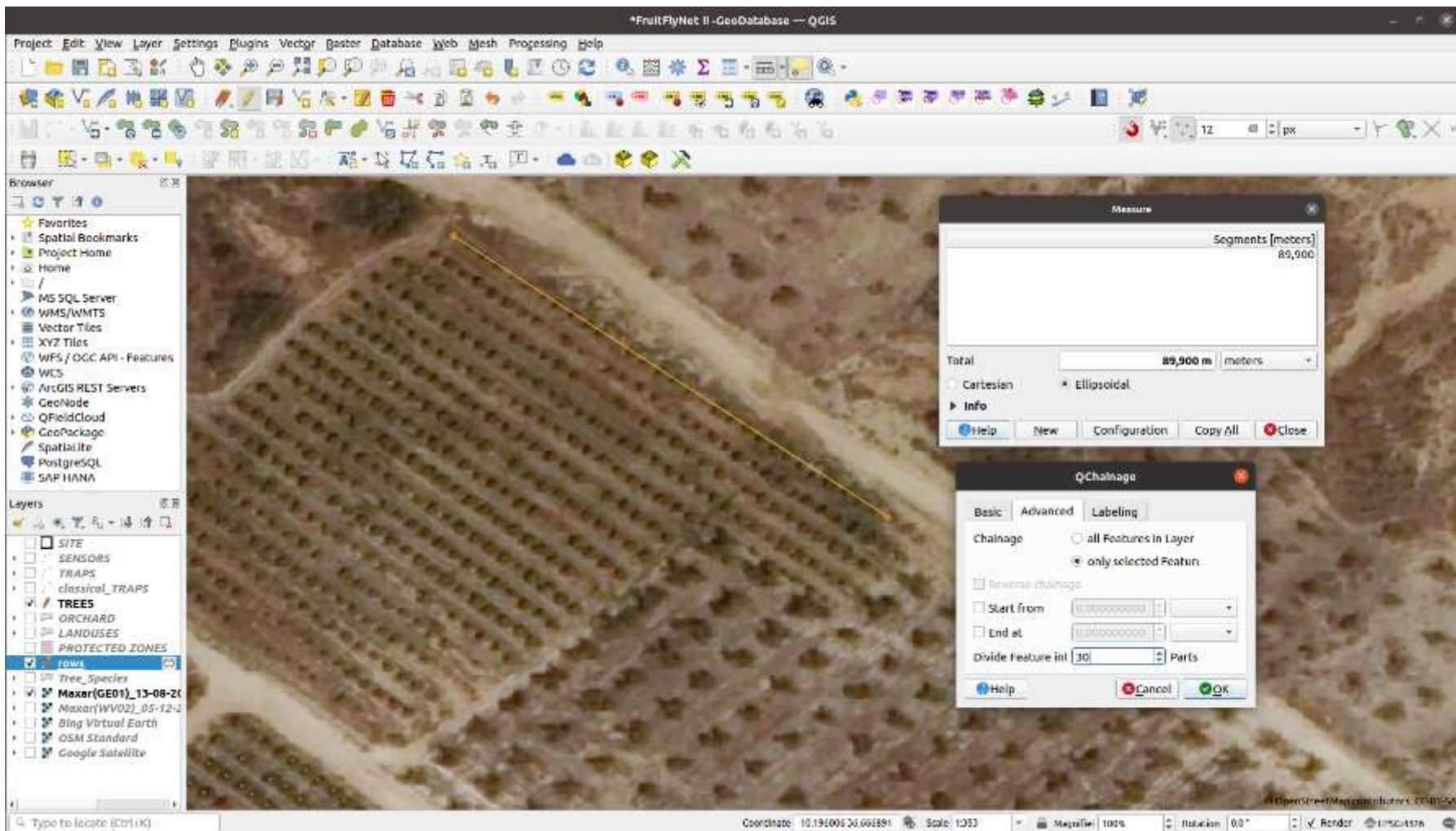
100%

Rotation

0.0°

Render

EPSG:4326



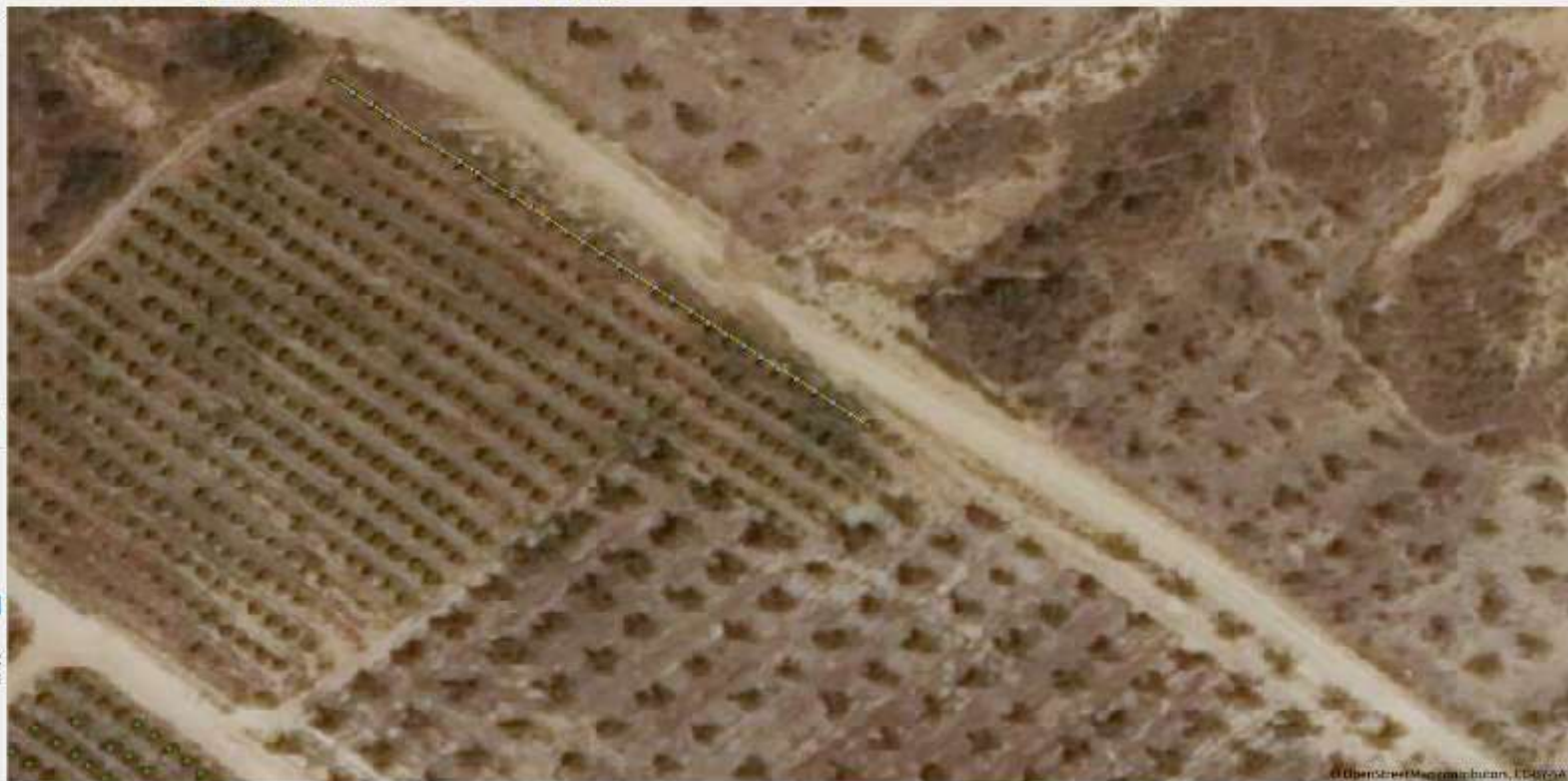


Browser 32 X

- Favorites
- Spatial Bookmarks
- Project Home
- Home
- /
- MS SQL Server
- WMS/WMTS
- Vector Tiles
- XYZ Tiles
- WFS / OGC API - Features
- WCS
- ArcGIS REST Servers
- GeoNode
- QFieldCloud
- GeoPackage
- SpatiaLite
- PostgreSQL
- SAP HANA

Layers 32 X

- ☐ SITE
- ☐ SENSORS
- ☐ TRAPS
- ☐ classical_TRAPS
- ☒ TREES
- ☐ ORCHARD
- ☐ LANDUSES
- ☐ PROTECTED ZONES
- ☒ chain_rows
- ☒ rows
- ☐ Tree_Species
- ☒ Maxar(GE01)_13-08-20
- ☐ Maxar(WV02)_05-12-2
- ☐ Bing Virtual Earth
- ☐ OSM Standard
- ☐ Google Satellite



Q. Type to locate (Ctrl+K)

Coordinate 10.194962 36.660737

Scale 1:353

Magnifier 100%

Rotation 0.0°

Render

1/15/2024

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help



Browser

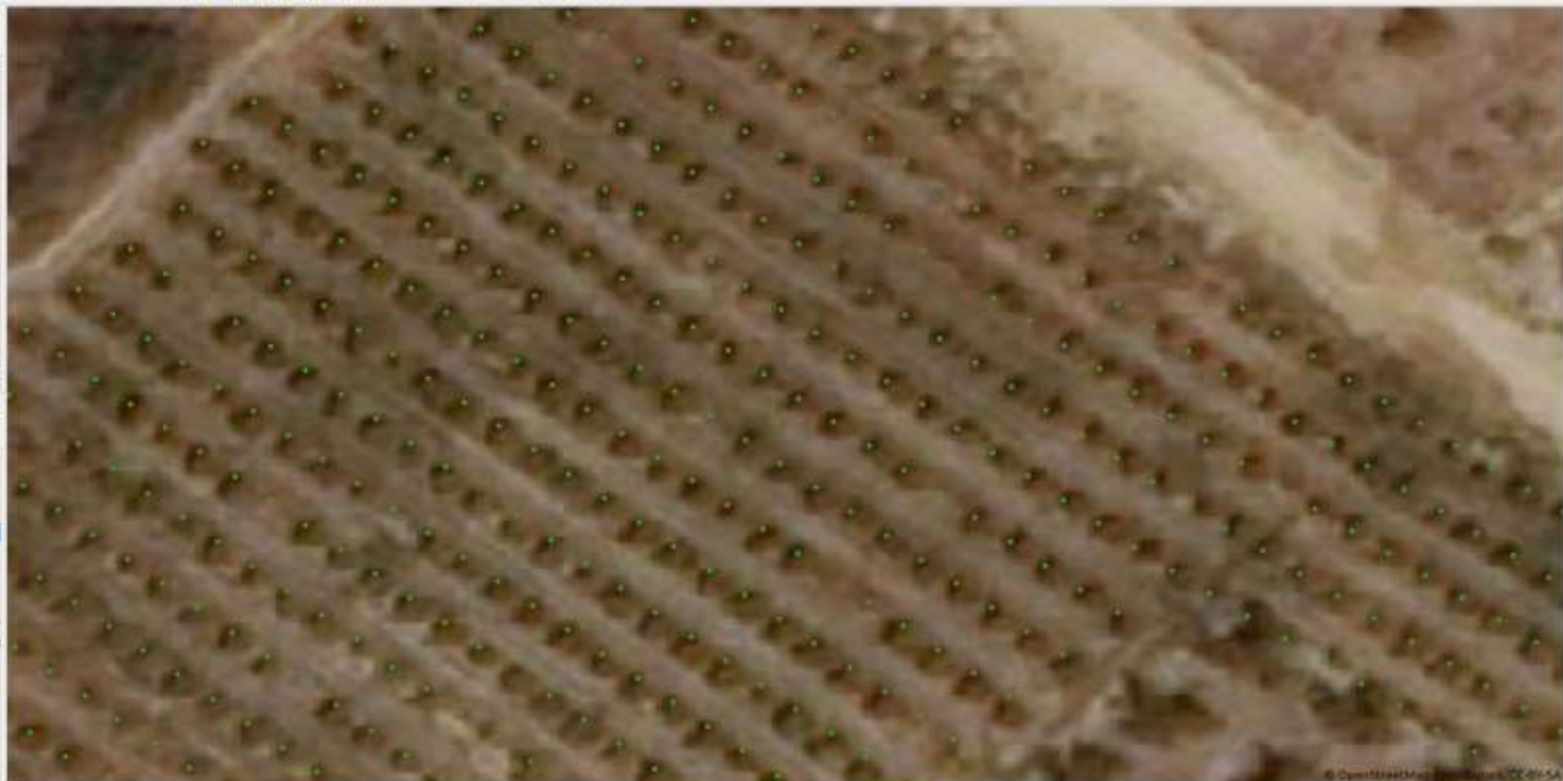


- ★ Favorites
- 📁 Spatial Bookmarks
- 📁 Project Home
- 📁 Home
- 📁 /
- 📁 MS SQL Server
- 📁 WMS/WMTS
- 📁 Vector Tiles
- 📁 XYZ Tiles
- 📁 WFS / OGC API - Features
- 📁 WCS
- 📁 ArcGIS REST Servers
- 📁 GeoNode
- 📁 QFieldCloud
- 📁 GeoPackage
- 📁 Spatialite
- 📁 PostgreSQL
- 📁 CAD MANIA

Layers



- ☐ SITE
- ☐ SENSORS
- ☐ TRAPS
- ☐ classical_TRAPS
- ☒ TREES
- ☐ ORCHARD
- ☐ LANDUSES
- ☐ PROTECTED ZONES
- ☐ Tree_Species
- ☒ Maxar(GE01)_13-08-20
- ☐ Maxar(WV02)_05-12-20
- ☐ Bing Virtual Earth
- ☐ DSM Standard
- ☐ Google Satellite



Type to locate (Ctrl+K)

Coordinate 10.1952250 36.6665783

Scale 1:177

Magnifier 100%

Rotation 0.0°

Render EPSG:4326



	fid	TreeID	SpeciesID *	Date	Label	Height	Diameter	Altitude	Notes	InTheRow	Row	Longitude	Latitude	Label2
1	1	1	1	12019/1/	A1	1,5	0,5	76,8		1	1	10,1922491	36,66724986	A0101
2	2	2	1	12019/1/	A2	1,5	0,5	76,6		2	1	10,19227486	36,66726674	A0102
3	3	3	1	12019/1/	A3	1,5	0,5	76,3		3	1	10,19230062	36,66728362	A0103
4	4	4	1	12019/1/	A4	1,5	0,5	76,1		4	1	10,19232638	36,6673005	A0104
5	5	5	1	12019/1/	A5	1,5	0,5	75,9		5	1	10,19235214	36,66731738	A0105
6	6	7	1	12019/1/	A7	1,5	0,5	77,5		2	2	10,19225022	36,66730753	A0202
7	7	6	1	12019/1/	A6	1,5	0,5	77,2		1	2	10,19222444	36,66729063	A0201
8	8	8	1	12019/1/	A8	1,5	0,5	77		3	2	10,19227601	36,66732444	A0203
9	9	9	1	12019/1/	A9	1,5	0,5	76,8		4	2	10,19230179	36,66734134	A0204
10	10	10	1	12019/1/	A10	1,5	0,5	76,7		5	2	10,19232758	36,66735824	A0205
11	11	11	1	12019/1/	A11	1,5	0,5	76,5		6	2	10,19235336	36,66737514	A0206
12	12	12	1	12019/1/	A12	1,5	0,5	76,3		7	2	10,19237914	36,66739204	A0207
13	13	13	1	12019/1/	A13	1,5	0,5	76		8	2	10,19240493	36,66740894	A0208
14	14	17	1	12019/1/	A17	1,5	0,5	77,9		1	3	10,19219978	36,66733114	A0301
15	15	19	1	12019/1/	A19	1,5	0,5	77,7		3	3	10,1922514	36,66736522	A0303
16	16	20	1	12019/1/	A20	1,5	0,5	77,5		4	3	10,19227721	36,66738213	A0304
17	17	21	1	12019/1/	A21	1,5	0,5	77,3		5	3	10,19230302	36,66739903	A0305
18	18	22	1	12019/1/	A22	1,5	0,5	77,1		6	3	10,19232883	36,66741594	A0306
19	19	23	1	12019/1/	A23	1,5	0,5	76,9		7	3	10,19235464	36,66743285	A0307
20	20	24	1	12019/1/	A24	1,5	0,5	76,8		8	3	10,19238044	36,66744976	A0308
21	21	25	1	12019/1/	A25	1,5	0,5	76,7		9	3	10,19240624	36,66746666	A0309
22	22	27	1	12019/1/	A27	1,5	0,5	76,5		11	3	10,19245788	36,66750048	A0311

Map of the Landuses

Legend

- SITE
• TREES

LANDUSES

- 0 m
□ 0-25 m
□ 25-50 m
□ 50-100 m
□ 100-250 m
□ 250-500 m



0 200 400 m



MINISTRE DE L'AGRICULTURE DE LA PÊCHE
ET DE LA PÊCHE AQUICOLE DE LA TUNISIE



123 fid = €







	fid	ID	Label	Type	Notes	Buffer	Area
1	16	1	K9 cultivar	Convention...	Young peach planted in 2021.	0,000	19143
2	17	2	Citrus rootstok	Convention...	Orchard reserved for the production of seeds of Citrus roo...	0,000	5233
3	18	3	Ornamental Palm plants	Cultivated ...	Ornamental palms not designed for fruit production	0,000	33447
4	19	12	Uncultivated area	Uncultivate...	NULL	0,000	33768
5	27	27	Water Pumping Station	Building	NULL	5,000	NULL
6	13	4	Water Reservoir 2	Water Body	NULL	30,000	182
7	14	5	Water Reservoir 1	Water Body	NULL	30,000	1308
8	15	6	Water Canal	Water Body	NULL	30,000	NULL
9	20	20	Building	Building	NULL	100,000	452
10	21	21	Building	Building	NULL	100,000	156
11	22	22	Building	Building	NULL	100,000	255
12	23	23	Building	Building	NULL	100,000	177
13	24	24	Building	Building	NULL	100,000	166
14	25	25	Building	Building	NULL	100,000	47
15	26	26	Building	Building	NULL	100,000	69

Map of the Protected Zones

Legend

-  SITE
-  TREES
-  PROTECTED ZONES

LANDUSES

-  0 m
-  0-25 m
-  25-50 m
-  50-100 m
-  100-250 m
-  250-500 m



0 200 400 m



REGIUNEA AUTONOMĂ DE SAHARA
REGIUNEA AUTONOMĂ DE SAHARA



	fid	ID	Label	Notes	Area	Buffer
1	19	4	Water Reservoir 2	NULL	4587	30
2	20	5	Water Reservoir 1	NULL	8148	30
3	21	6	Water Canal	NULL	30910	30
4	22	20	Building	NULL	40081	100
5	23	21	Building	NULL	36080	100
6	24	22	Building	NULL	38050	100
7	25	23	Building	NULL	36415	100
8	26	24	Building	NULL	36372	100
9	27	25	Building	NULL	33810	100
10	28	26	Building	NULL	34516	100
11	29	27	Water Pumping Station	NULL	245	5

Map of the Sensors

Legend



SENSORS



0 200 400 m



SENSORS — Features Total: 4,



123 fid = ϵ

	fid	SensorID	NodeID	SensorTypeID	Label	Longitude	Latitude	Altitude	Notes
1	12	1	1	1	T1	10,2026979	36,65921696	NULL	NULL
2	13	2	2	2	RH1	10,20270791	36,65920874	NULL	NULL
3	14	3	3	3	W1	10,20271138	36,65922692	NULL	NULL
4	15	4	4	4	P1	10,20272199	36,65921928	NULL	NULL

Map of the traps (Old)

Legend

-  SITE
 TREES

TRAPS

-  Delta

Peach Cultivars

-  Extreme 460
 Extreme 568
 PM2
 PM7
 PM9
 PM10
 PM12
 PM14
 PM17
 Sagittaria



0 50 100 m



Map of the traps (Peaches)

Legend

 SITE
 TREES

TRAPS

 Delta



0 50 100 m



1994-1995 AUTOMOBIL DE SARISSA
1994-1995 AUTOMOBIL DE LA SARRICA

Map of the traps (Peaches)

Legend



TREES

- Extreme 460
- Extreme 568
- PM2
- PM7
- PM9
- PM10
- PM12
- PM14
- PM17
- Sagittaria

TRAPS

- ▲ Delta



0 50 100 m



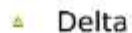
	fid	TrapID	NodeID	TrapTypeID	Notes	Label	Longitude	Latitude	Altitude
1	53	1	3732	Delta	NULL	P3-9	10,19202346	36,66512712	78,9
2	54	2	3797	Delta	NULL	P2-9	10,19256918	36,66570846	80,5
3	55	3	4232	Delta	NULL	P1-9	10,19295149	36,66640537	78,9
4	56	4	8024	Delta	NULL	P2-17	10,19306111	36,66536334	74,1
5	57	5	8183	Delta	NULL	P1-17	10,19251555	36,66471232	70,2
6	58	6	8651	Delta	NULL	P3-17	10,19408709	36,66587051	69,2
7	59	7	7028	Delta	NULL	P1-14	10,19500773	36,66515091	58,6
8	60	8	2613	Delta	NULL	P2-7	10,19396047	36,66412875	58,2
9	61	9	3010	Delta	NULL	P1-7	10,1931384	36,66431411	67,5
10	62	10	5250	Delta	NULL	P2-10	10,19239344	36,6615025	47,8
11	63	11	5541	Delta	NULL	P1-10	10,19169131	36,66213837	53,8
12	64	12	4934	Delta	NULL	P3-10	10,19280205	36,66112678	45,2
13	68	16	6271	Delta	NULL	P1-12	10,19009943	36,6650294	74,4
14	69	17	6550	Delta	NULL	P2-12	10,19046167	36,66435453	65,4
15	70	18	6119	Delta	NULL	P3-12	10,19150831	36,66437729	70,3
16	71	19	9149	Delta	NULL	P1-5	10,19063395	36,66634926	92
17	72	20	9559	Delta	NULL	P2-5	10,19081375	36,66552436	78,3
18	73	21	9621	Delta	NULL	P3-5	10,18982269	36,66565958	82,4
19	74	22	235	Delta	NULL	P1-460	10,19260373	36,66798834	82,7
20	75	23	586	Delta	NULL	P2-460	10,19177882	36,66796707	86,1
21	76	24	1003	Delta	NULL	P1-568	10,19354885	36,66761267	71,4
22	77	25	1258	Delta	NULL	P2-568	10,19243967	36,6670775	74,3
23	78	26	1766	Delta	NULL	P1-2	10,19512476	36,66624801	65,6
24	79	79	9755	Delta	NULL	P1-F	10,19420466	36,66501762	60,7

Voronoi Polygons of the Traps

Legend



TRAPS



0 50 100 m

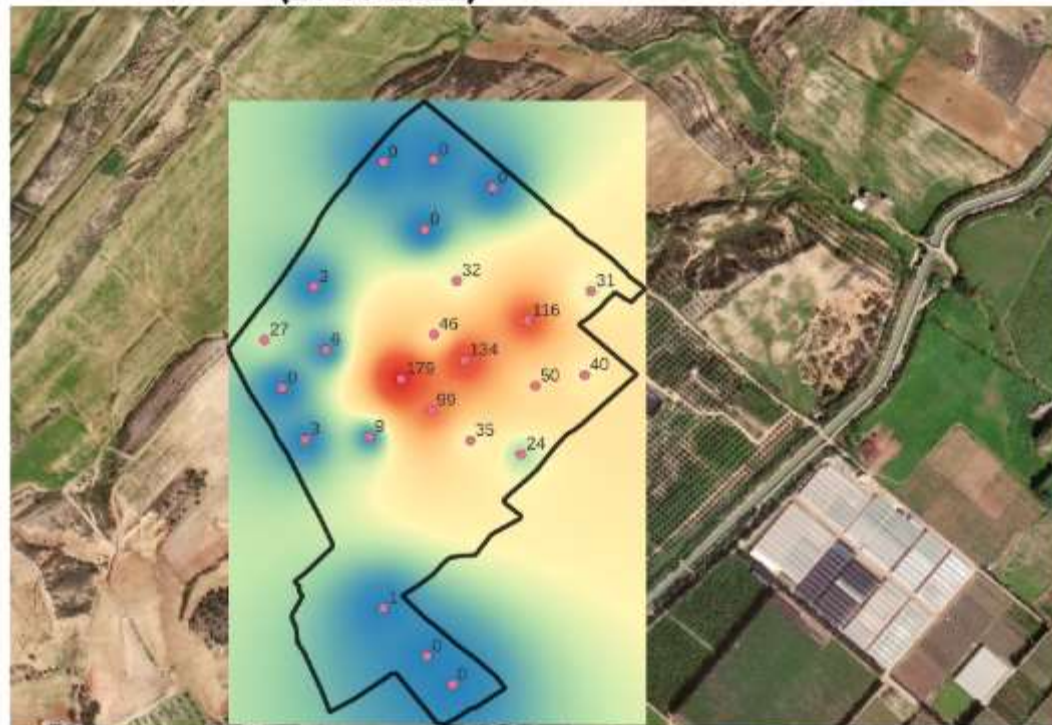
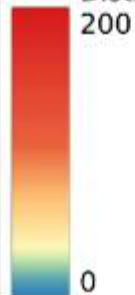


label	NUMPOINTS *
P3-5	222
P1-12	243
P2-12	263
P2-460	299
P2-5	299
P2-568	317
P3-12	319
P1-10	338
P2-10	346
P1-17	350
P1-568	369
P1-5	385
P3-10	406
P3-9	408
P1-7	422
P2-7	466
P2-9	472
P2-17	487
P1-2	494
P1-460	524
P1-F	530
P1-14	570
P1-9	610
P3-17	647

Legend

 SITE
 Traps

Ceratite Capitata Distribution



0 50 100 m



RECH DNE AUTOMOBILU DE SARABEKA
RECH DNE AUTOMOBILU DE LA SORABIA

123 fid * = &								
	Fid	Label	Longitude	Latitude	Notes	date	Captures	when *
1	80	P3-9	10,19202346	36,66512712	NULL	2022-07-21	179	212022/7/
2	93	P2-9	10,19256918	36,66570846	NULL	2022-07-21	46	212022/7/
3	106	P1-9	10,19295149	36,66640537	NULL	2022-07-21	32	212022/7/
4	119	P2-17	10,19306111	36,66536334	NULL	2022-07-21	134	212022/7/
5	132	P1-17	10,1925155	36,66471232	NULL	2022-07-21	99	212022/7/
6	145	P3-17	10,19408709	36,66587051	NULL	2022-07-21	116	212022/7/
7	158	P1-14	10,19500773	36,66515091	NULL	2022-07-21	40	212022/7/
8	171	P2-7	10,19396047	36,66412875	NULL	2022-07-21	24	212022/7/
9	184	P1-7	10,1931384	36,66431411	NULL	2022-07-21	35	212022/7/
10	197	P2-10	10,19239344	36,6615025	NULL	2022-07-21	0	212022/7/
11	210	P1-10	10,19169131	36,66213837	NULL	2022-07-21	1	212022/7/
12	223	P3-10	10,19280205	36,66112678	NULL	2022-07-21	0	212022/7/
13	236	P1-12	10,19009943	36,6650294	NULL	2022-07-21	0	212022/7/
14	249	P2-12	10,19046167	36,66435453	NULL	2022-07-21	3	212022/7/
15	262	P3-12	10,19150831	36,66437729	NULL	2022-07-21	9	212022/7/
16	275	P1-5	10,19063395	36,66634926	NULL	2022-07-21	3	212022/7/
17	288	P2-5	10,19081375	36,66552436	NULL	2022-07-21	6	212022/7/
18	301	P3-5	10,18982269	36,66565958	NULL	2022-07-21	27	212022/7/
19	314	P1-460	10,19260373	36,66798834	NULL	2022-07-21	0	212022/7/
20	327	P2-460	10,19177882	36,66796707	NULL	2022-07-21	0	212022/7/
21	340	P1-568	10,19354885	36,66761267	NULL	2022-07-21	0	212022/7/
22	353	P2-568	10,19243967	36,6670775	NULL	2022-07-21	0	212022/7/
23	366	P1-2	10,19512476	36,66624801	NULL	2022-07-21	31	212022/7/
24	379	P1-F	10,19420466	36,66501762	NULL	2022-07-21	50	212022/7/
25	81	P3-9	10,19202346	36,66512712	NULL	2022-07-15	59	152022/7/
26	94	P2-9	10,19256918	36,66570846	NULL	2022-07-15	31	152022/7/

