

**Supplementary Table S1.** Attributes of fields sampled for *Verticillium dahliae* microsclerotia in the Iberian Peninsula.

City	District	Coutry	Field	Field number	Latit.	Longit.	Soil texture	Previous cropping history	Ms/g soil
Alcolea del Río	Cordoba	Spain	Jose Ramirez (Cerca Casa)	1	-4.6719	37.9327	Clay	Barely favourable	0
Alcolea del Río	Cordoba	Spain	Jose Ramirez (Pendiente)	2	-4.6719	37.9327	Clay loam	Barely favourable	0
Avis	Portalegre	Portugal	Neto Valente (Avis)	3	-7.8912	39.0569	Sandy clay loam	Barely favourable	0.8
Belalcázar	Cordoba	Spain	Francisco Ollero	4	-5.1561	38.5776	Loam	Barely favourable	0
Elvas	Portalegre	Portugal	Francisco Borba	5	-7.1636	38.8801	Loam	Barely favourable	0.4
Elvas	Portalegre	Portugal	Courela do lobo (Elvas)	6	-7.1636	38.8801	Clay loam	Barely favourable	0
Elvas	Portalegre	Portugal	Boavista(Elvas)	7	-7.1636	38.8801	Clay loam	Barely favourable	0
Ferreira do Alentejo	Beja	Portugal	Jordi Salvado (Carretera)	8	-8.1037	38.0578	Sandy clay loam	Barely favourable	0
Ferreira do Alentejo	Beja	Portugal	Jordi Salvado(Balsa)	9	-8.1037	38.0578	Sandy clay loam	Barely favourable	0
Ferreira do Alentejo	Beja	Portugal	Jordi Salvado M1	10	-8.1037	38.0578	Sandy clay loam	Barely favourable	0
Ferreira do Alentejo	Beja	Portugal	Jordi Salvado M2	11	-8.1037	38.0578	Sandy clay loam	Barely favourable	0
Ferreira do Alentejo	Beja	Portugal	Jordi Salvado M3	12	-8.1037	38.0578	Sandy clay loam	Barely favourable	0
Ferreira do Alentejo	Beja	Portugal	Jordi Salvado M4	13	-8.1037	38.0578	Sandy loam	Barely favourable	0
Ferreira do Alentejo	Beja	Portugal	Jordi Salvado M5	14	-8.1037	38.0578	Sandy clay loam	Barely favourable	0

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Supplementary Table S1. Continued.

City	District	Coutry	Field	Field number	Latit.	Longit.	Soil texture	Previous cropping history	Ms/g soil
Ferreira do Alentejo	Beja	Portugal	Jordi Salvado M6	15	-8.1037	38.0578	Sandy loam	Barely favourable	0
Ferreira do Alentejo	Beja	Portugal	Ferreira do Alentejo(Savo) Camino del pino izquierda	16	-8.1037	38.0578	Sandy clay loam	Barely favourable	0
La Carlota	Cordoba	Spain	Federico Garcia M1	17	-4.9338	37.6726	Sandy loam	Barely favourable	0
Macossa	Lisbon	Portugal	Casa Agricola Antunes Barroso M1	18	-8.8638	39.1954	Clay loam	Barely favourable	0.4
Macossa	Lisbon	Portugal	Casa Agricola Antunes Barroso M2	19	-8.8638	39.1954	Loam	Barely favourable	0
Macossa	Lisbon	Portugal	Casa Agricola Antunes Barroso M3	20	-8.8638	39.1954	Clay loam	Barely favourable	0
Macossa	Lisbon	Portugal	Casal das Sarnadas S.A.	21	-8.8638	39.1954	Sandy loam	Barely favourable	0
Medina del Campo	Valladolid	Spain	Miguel Angel Buitrago (Parcela Grande)	22	-4.915	41.3084	Sandy clay loam	Barely favourable	0
Montoro	Cordoba	Spain	El Cerote (Jose Fernando Aguilar)	23	-4.3835	38.0227	Clay	Barely favourable	0
Olivenza	Badajoz	Spain	Valondo (Delantera)	24	-7.1026	38.6826	Sandy clay loam	Barely favourable	0
Olivenza	Badajoz	Spain	El Cedeño (Franca)	25	-7.1026	38.6826	Sandy clay loam	Barely favourable	0
Olivenza	Badajoz	Spain	Valondo (Trasera)	26	-7.1026	38.6826	Sandy loam	Barely favourable	0
Palma del Río	Cordoba	Spain	Antonio Valle (Suelo negro)	27	-5.2802	37.6982	Clay	Barely favourable	2.4
Palma del Río	Cordoba	Spain	Antonio Valle (Suelo chinarro)	28	-5.2802	37.6982	Clay	Barely favourable	1.2
Portillo	Valladolid	Spain	Victor Fernandez 1	29	-4.5728	41.4806	Sandy	Barely favourable	0
Portillo	Valladolid	Spain	Victor Fernandez 2	30	-4.5728	41.4806	Sandy	Barely favourable	0
Santaella	Cordoba	Spain	Federico Garcia M2	31	-4.843	37.5622	Clay	Barely favourable	1.2
Santaella	Cordoba	Spain	Federico Garcia M4	32	-4.843	37.5622	Clay	Barely favourable	0

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Supplementary Table S1. Continued.

City	District	Coutry	Field	Field number	Latit.	Longit.	Soil texture	Previous cropping history	Ms/g soil
Tocina	Seville	Spain	Jose Antonio Espinar (Parcela Grande)	33	-5.7339	37.61	Sandy clay loam	Barely favourable	2
Torrecedera	Cadiz	Spain	Luis Romero	34	-5.943	36.6091	Clay	Barely favourable	0
Utrera	Sevilla	Spain	Antonio Valle	35	-5.7792	37.1849	Clay	Barely favourable	0
Utrera	Sevilla	Spain	Lorenzo Calderon 1	36	-5.7792	37.1849	Sandy loam	Barely favourable	0
Utrera	Sevilla	Spain	Lorenzo Calderon 2	37	-5.7792	37.1849	Sandy	Barely favourable	0
Valdepeñas	Ciudad real	Spain	La Abundancia	38	-4.475	40.8361	Sandy clay loam	Barely favourable	0.31
Andújar	Jaen	Spain	Pedro Burgos M2 (Propio)	39	-4.0287	38.2055	Clay	favourable	0.4
El Carpio	Cordoba	Spain	Bartolome Carmona	40	-4.4968	37.941	Clay	favourable	0.4
Avileses	Murcia	Spain	J.M Guillamon (La Peraleja 2)	41	-0.9433	37.8495	Clay loam	favourable	6
Ecija	Sevilla	Spain	Pepe Ramirez 2 (Cortijo)	42	-5.0827	37.5415	Clay	favourable	12
Jerez de la Frontera	Cadiz	Spain	Juan Carlos Bernal	43	-6.1259	36.6853	Clay loam	favourable	0.4
Jerez de la Frontera	Cadiz	Spain	Jerez maiz M2	44	-6.1259	36.6853	Clay	favourable	10.8
Jerez de la Frontera	Cadiz	Spain	Jerez trigo M3	45	-6.1259	36.6853	Clay	favourable	8.8
Jerez de la Frontera	Cadiz	Spain	Jerez trigo M4	46	-6.1259	36.6853	Clay loam	favourable	0
Jerez de la Frontera	Cadiz	Spain	Jerez girasol M1	47	-6.1259	36.6853	Clay	favourable	1.2
Las Cabezas de San Juan	Seville	Spain	Enrique Gonzalez de la peña	48	-5.9382	36.9804	Sandy clay loam	favourable	0
Las Cabezas de San Juan	Sevilla	Spain	Antonio Valle 1 a 11	49	-5.9382	36.9804	Clay	favourable	0.4
Los Palacios	Seville	Spain	Juan Ramon Martinez M2	50	-5.9277	37.1631	Sandy clay loam	favourable	0

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Supplementary Table S1. Continued.

City	District	Coutry	Field	Field number	Latit.	Longit.	Soil texture	Previous cropping history	Ms/g soil
Santaella	Cordoba	Spain	Finca Santa Margarita	51	-4.843	37.5622	Clay	favourable	0.4
Villarubia	Córdoba	Spain	Gerardo Amian (Algodón)	52	-4.9176	37.8484	Clay loam	favourable	0.8
Andújar	Jaen	Spain	Pedro Burgos M1 (Antiguo)	53	-4.0287	38.2055	Clay	very favourable	44.4
Ecija	Sevilla	Spain	Sotillo Gallego 1 (camino)	54	-5.0827	37.5415	Clay	very favourable	7.6
Ecija	Sevilla	Spain	Pepe Ramirez 3 (Cerca rio)	55	-5.0827	37.5415	Clay	very favourable	33.6
Ecija	Sevilla	Spain	Pepe Ramirez 1 (Cerca carretera)	56	-5.0827	37.5415	Clay	very favourable	12.4
Écija	Sevilla	Spain	Sotillo Gallego 2 (Transformador)	57	-5.0827	37.5415	Clay	very favourable	19.2
La Carlota	Cordoba	Spain	Federico Garcia M2	58	-4.9338	37.6726	Sandy clay loam	very favourable	4.8
Las Cabezas de San Juan	Seville	Spain	Enrique Gonzalez de la peña	59	-5.9382	36.9804	Clay	very favourable	20.4
Los Palacios	Seville	Spain	Juan Ramon Martinez M3	60	-5.9277	37.1631	Sandy loam	very favourable	0
Santaella	Cordoba	Spain	Federico Garcia M3	61	-4.843	37.5622	Clay	very favourable	1.6
Seville	Seville	Spain	La Corchuela 13	62	-5.9209	37.2829	Sandy loam	very favourable	0
Seville	Seville	Spain	La Corchuela 10	63	-5.9209	37.2829	Sandy loam	very favourable	0.8
Seville	Seville	Spain	La Corchuela 21	64	-5.9209	37.2829	Loam	very favourable	4
Almodovar	Cordoba	Spain	Galan (Pendiente)	65	-5.0146	37.8132	Clay loam	extremely favourable	8.4
Almodovar	Cordoba	Spain	Galan (gasolinera)	66	-5.0146	37.8132	Sandy clay loam	extremely favourable	46.6
Arjonilla	Jaen	Spain	Juan Carlos Roldan Zona 3	67	-4.1066	37.9745	Clay	extremely favourable	52
El Carpio	Cordoba	Spain	Santiago Estevez Palomar	68	-4.4968	37.941	Clay	extremely favourable	1.2
Espelúy	Jaen	Spain	Ecotex 1	69	-3.8623	38.0323	Loam	extremely favourable	12.26

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**Supplementary Table S1.** Continued.

City	District	Coutry	Field	Field number	Latit.	Longit.	Soil texture	Previous cropping history	Ms/g soil
La Lantejuela	Sevilla	Spain	Rafael Calle	70	-5.2228	37.3544	Clay	extremely favourable	2.8
Las Cabezas de San Juan	Seville	Spain	Juan Bastos	71	-5.9382	36.9804	Sandy clay loam	extremely favourable	0
Seville	Seville	Spain	La Corchuela 6	72	-5.9209	37.2829	Clay loam	extremely favourable	1.2
Seville	Seville	Spain	La Corchuela 4	73	-5.9209	37.2829	Sandy clay loam	extremely favourable	10.4
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-42-4	74	-5.9667	36.252	Sandy clay loam	extremely favourable	0
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-42-2	75	-5.9667	36.252	Sandy clay loam	extremely favourable	0.4
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-42-3	76	-5.9667	36.252	Sandy clay loam	extremely favourable	0.8
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-42-5	77	-5.9667	36.252	Sandy clay loam	extremely favourable	0
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-42-1	78	-5.9667	36.252	Sandy clay loam	extremely favourable	0
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-50-1	79	-5.9667	36.252	Sandy clay loam	extremely favourable	6.8
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-50-2	80	-5.9667	36.252	Sandy clay loam	extremely favourable	24.4
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-50-3	81	-5.9667	36.252	Sandy loam	extremely favourable	10.4
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-50-4	82	-5.9667	36.252	Sandy clay loam	extremely favourable	15.6

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**Supplementary Table S1.** Continued.

City	District	Coutry	Field	Field number	Latit.	Longit.	Soil texture	Previous cropping history	Ms/g soil
Vejer de la Frontera	Cadiz	Spain	Finca Las Lomas P-50-5	83	-5.9667	36.252	Sandy clay loam	extremely favourable	18.8
Villa del Río	Cordoba	Spain	Hnos. Caro	84	-4.2935	37.9814	Clay	extremely favourable	8.4

<sup>1</sup> long rotation had < 2 host crops to *V. dahliae* in five years; an intermediate rotation had host crops to *V. dahliae* 51-71% of the time; a none rotation indicated that all crops were susceptible to *V. dahliae*; a short rotation indicated that one crop in five years was not a host of *V. dahliae*.