

ITER107	Territory	TIPO_DATOS	Data type	FERTILIZZANTI	Type of fertilizer	TIME	Select time	Value	Flag Codes	Flags	
0	ITD59	Rimini	FERT_DISTRIB_T	fertilizers distributed - tonnes	CON_MIN_MICRO	containing micronutrients	2019	2019	11	NaN	NaN
1	ITD59	Rimini	FERT_DISTRIB_T	fertilizers distributed - tonnes	CON_MIN_MICRO	containing micronutrients	2020	2020	11	NaN	NaN
2	ITD59	Rimini	FERT_DISTRIB_T	fertilizers distributed - tonnes	CON_MIN_MICRO	containing micronutrients	2021	2021	3	NaN	NaN
3	ITD44	Trieste	FERT_DISTRIB_T	fertilizers distributed - tonnes	AMM_TORB_COMP	peaty soil amendment	2019	2019	8	NaN	NaN
4	ITD44	Trieste	FERT_DISTRIB_T	fertilizers distributed - tonnes	AMM_TORB_COMP	peaty soil amendment	2020	2020	105	NaN	NaN

	Territory	Data type	Type of fertilizer	Select time	Value
0	Rimini	fertilizers distributed - tonnes	containing micronutrients	2019	11
1	Rimini	fertilizers distributed - tonnes	containing micronutrients	2020	11
2	Rimini	fertilizers distributed - tonnes	containing micronutrients	2021	3
3	Trieste	fertilizers distributed - tonnes	peaty soil amendment	2019	8
4	Trieste	fertilizers distributed - tonnes	peaty soil amendment	2020	105

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3	Trieste	fertilizers distributed - tonnes	peaty soil amendment	2019	8
4	Trieste	fertilizers distributed - tonnes	peaty soil amendment	2020	105
...
17670	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2020	422
17671	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2021	543
17672	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2019	164
17673	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2020	135
17674	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2021	193

17675 rows × 5 columns

	City	Data type	Type_fertilizer	Year	Fertilizers_tonnes
0	Rimini	fertilizers distributed - tonnes	containing micronutrients	2019	11
1	Rimini	fertilizers distributed - tonnes	containing micronutrients	2020	11
2	Rimini	fertilizers distributed - tonnes	containing micronutrients	2021	3
3	Trieste	fertilizers distributed - tonnes	peaty soil amendment	2019	8
4	Trieste	fertilizers distributed - tonnes	peaty soil amendment	2020	105
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17670	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2020	422
17671	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2021	543
17672	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2019	164
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17674	Sud Sardegna	fertilizers distributed - tonnes	specific action products -	2021	193

17675 rows × 5 columns

	City	Type_fertilizer	Year	Fertilizers_tonnes
0	Rimini	containing micronutrients	2019	11
1	Rimini	containing micronutrients	2020	11
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3	Trieste	peaty soil amendment	2019	8
4	Trieste	peaty soil amendment	2020	105
...
17670	Sud Sardegna	specific action products -	2020	422
17671	Sud Sardegna	specific action products -	2021	543
17672	Sud Sardegna	specific action products -	2019	164
17673	Sud Sardegna	specific action products -	2020	135
17674	Sud Sardegna	specific action products -	2021	193

17675 rows × 4 columns

Select fertilizers 2020

	City	Type_fertilizer	Year	Fertilizers_tonnes
1	Rimini	containing micronutrients	2020	11
4	Trieste	peaty soil amendment	2020	105
7	Pisa	specific action products	2020	27
10	Pordenone	three components - nitrogen-phosphorus-phosph...	2020	8547
13	Venezia	soil correctives - sulphur for agricultural use	2020	5
...
17661	Sud Sardegna	soil correctives - other soil correctives	2020	2
17664	Sud Sardegna	crop substrates	2020	112
17667	Sud Sardegna	specific action products	2020	567
17670	Sud Sardegna	specific action products -	2020	422
17673	Sud Sardegna	specific action products -	2020	135

5892 rows × 4 columns

	City	Type_fertilizer	Year	Fertilizers_tonnes
76	Pavia	ammonium sulphate	2020	747
154	Benevento	calcium cyanamide	2020	0
166	Treviso	ammonium sulphate	2020	1423
172	Provincia Autonoma Bolzano / Bozen	nitrogen fertilizers	2020	31
235	Alessandria	organic fertilizers	2020	2251

	Type_fertilizer	ammonium sulphate	calcium cyanamide	nitrogen fertilizers	organic fertilizers	phosphorus fertilizers	potassium fertilizers
City	Year						
Agrigento	2020	155	12	1715	4006	142	16
Alessandria	2020	135	105	20968	2251	782	743
Ancona	2020	567	17	22511	2695	1258	33
Arezzo	2020	68	26	3675	2053	72	209
Ascoli Piceno	2020	8	158	1065	1284	22	267
...
Vercelli	2020	14	2570	7604	6585	0	1013
Verona	2020	3919	258	66460	9529	9363	6141
Vibo Valentia	2020	1433	0	2487	92	157	0
Vicenza	2020	1350	225	10182	1252	220	351
Viterbo	2020	176	0	14138	2673	603	10

108 rows × 6 columns

	Type_fertilizer	ammonium sulphate	calcium cyanamide	nitrogen fertilizers	organic fertilizers	phosphorus fertilizers	potassium fertilizers
City	Year						
Agrigento	2020	155	12	1715	4006	142	16
Alessandria	2020	135	105	20968	2251	782	743
Ancona	2020	567	17	22511	2695	1258	33
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Agrigento	2020	2020	155	12	1715	4006	142	16
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Vibo Valentia	2020	2020	1433	0	2487	92	157	0
Vicenza	2020	2020	1350	225	10182	1252	220	351
Viterbo	2020	2020	176	0	14138	2673	603	10

108 rows × 8 columns

	City	Year	flax	hemp	parsley in greenhouses	parsley in open field	rape	soya beans	sunflower	sweet basil in greenhouses	tobacco	ammonium sulphate	calcium cyanamide	nitrogen fertilizers
0	Agrigento	2020	0.0	0.0	0.0	0.0	150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	Alessandria	2020	1320.0	1040.0	0.0	6120.0	28975.0	119245.0	177300.0	0.0	0.0	135.0	105.0	20969.0
2	Ancona	2020	0.0	2300.0	2.0	0.0	2070.0	4736.0	240435.0	15.0	0.0	567.0	17.0	22511.0
3	Arezzo	2020	40.0	6650.0	12.0	140.0	10530.0	1250.0	119700.0	90.0	22164.0	68.0	26.0	3675.0
4	Ascoli Piceno	2020	0.0	0.0	7.0	400.0	0.0	776.0	150659.0	2.0	0.0	8.0	158.0	1065.0
...
93	Verbanio-Cusio-Ossola	2020	0.0	75.0	0.0	0.0	0.0	450.0	0.0	0.0	0.0	0.0	0.0	0.0
94	Vercelli	2020	0.0	0.0	0.0	0.0	4163.0	70992.0	1107.0	0.0	0.0	14.0	2570.0	7604.0
95	Verona	2020	0.0	5160.0	9515.0	1080.0	21515.0	480180.0	85830.0	45309.0	98106.0	3919.0	258.0	66460.0
96	Vicenza	2020	40.0	600.0	0.0	0.0	10599.0	368080.0	14650.0	0.0	7559.0	1350.0	225.0	10182.0
97	Viterbo	2020	1150.0	215.0	0.0	0.0	550.0	0.0	16900.0	0.0	2690.0	176.0	0.0	14138.0

98 rows × 17 columns

Select fertilizers 2021

	City	Type_fertilizer	Year	Fertilizers_tonnes
2	Rimini	containing micronutrients	2021	3
5	Trieste	peaty soil amendment	2021	0
8	Pisa	specific action products	2021	33
11	Pordenone	three components - nitrogen-phosphorus-phosph...	2021	8286
14	Venezia	soil correctives - sulphur for agricultural use	2021	5
...
17662	Sud Sardegna	soil correctives - other soil correctives	2021	4
17665	Sud Sardegna	crop substrates	2021	40
17668	Sud Sardegna	specific action products	2021	536
17671	Sud Sardegna	specific action products -	2021	743
17674	Sud Sardegna	specific action products -	2021	193

5892 rows × 4 columns

	City	Type_fertilizer	Year	Fertilizers_tonnes
77	Pavia	ammonium sulphate	2021	2504
155	Benevento	calcium cyanamide	2021	0
167	Treviso	ammonium sulphate	2021	1541
173	Provincia Autonoma Bolzano / Bozen	nitrogen fertilizers	2021	28
236	Alessandria	organic fertilizers	2021	3930

	Type_fertilizer	ammonium sulphate	calcium cyanamide	nitrogen fertilizers	organic fertilizers	phosphorus fertilizers	potassium fertilizers
City	Year						
Agrigento	2021	738	12	4592	3668	1075	36
Alessandria	2021	151	105	21951	3930	900	713
Ancona	2021	954	17	14630	2500	1809	43
Arezzo	2021	32	27	2414	2174	71	8
Ascoli Piceno	2021	3	158	1610	1211	8	46
...
Vercelli	2021	5	2571	8929	8312	225	1014
Verona	2021	7632	258	59389	10023	12968	10878
Vibo Valentia	2021	518	0	1498	61	185	0
Vicenza	2021	1784	226	6690	1634	1100	382
Viterbo	2021	152	0	11245	2199	587	11

108 rows × 6 columns

	City	Year	ammonium sulphate	calcium cyanamide	nitrogen fertilizers	organic fertilizers	phosphorus fertilizers	potassium fertilizers
Agrigento	2021	2021	738	12	4592	3668	1075	36
Alessandria	2021	2021	151	105	21951	3930	900	713
Ancona	2021	2021	954	17	14630	2500	1809	43
Arezzo	2021	2021	32	27	2414	2174	71	8
Ascoli Piceno	2021	2021	3	158	1610	1211	8	46
...
Vercelli	2021	2021	5	2571	8929	8312	225	1014
Verona	2021	2021	7632	258	59389	10023	12968	10878
Vibo Valentia	2021	2021	518	0	1498	61	185	0
Vicenza	2021	2021	1784	226	6690	1634	1100	382
Viterbo	2021	2021	152	0	11245	2199	587	11

108 rows × 6 columns

	flax	hemp	parsley in greenhouses	parsley in open field	rape	soya beans	sunflower	sweet basil in greenhouses	tobacco	ammonium sulphate	calcium cyanamide	nitrogen fertilizers	organic fertilizers	phosphorus fertilizers	potassium fertilizers	
ammonium sulphate	0.095	0.0059	0.0	0.0002	0.0092	0.0033	0.028	0.0	0.0	1	0.064	0.016	0.00017	0.006	0.061	0.0079
calcium cyanamide	-0.029	0.25	0.12	0.17	0.22	0.43	0.21	0.13	-0.064	0.1	0.93	0.58	0.24	0.57	0.46	0.2
nitrogen fertilizers	0.0016	0.15	0.1	-0.017	0.017	0.15	0.2	-0.623	0.019	0.019	1	0.39	0.59	0.17	0.44	0.3
organic fertilizers	0.23	0.06	-0.47	0.25	0.22	0.25	0.041	0.2	0.016	0.017	0.38	0.79	1	0.52	0.69	0.77
phosphorus fertilizers	0.095	0.27	0.19	0.13	0.11	0.087	0.016	0.021	0.09	0.24	0.59	0.52	1	0.42	0.49	0.6
potassium fertilizers	0.16	0.47	0.37	0.31	0.44	0.38	-0.019	0.31	-0.041	0.57	0.17	0.69	0.42	1	0.53	0.6
flax	0.095	0.0059	0.0	0.0002	0.0092	0.0033	0.028	0.0	0.0	1	0.064	0.016	0.00017	0.006	0.061	0.0079
hemp	0.0059	0.25	0.12	0.17	0.22	0.43	0.21	0.13	-0.064	0.1	0.93	0.58	0.24	0.57	0.46	0.2
parsley in greenhouses	0.0002	0.15	0.1	-0.017	0.017	0.15	0.2	-0.623	0.019	0.019	0.38	0.79	1	0.52	0.69	0.77
parsley in open field	0.0092	0.0059	0.0	0.0002	0.0092	0.0033	0.028	0.0	0.0	1	0.064	0.016	0.00017	0.006	0.061	0.0079
rape	0.0092	0.22	0.43	0.21	0.13	-0.064	0.1	0.93	0.58	0.24	0.57	0.46	0.2	0.3	0.4	0.5
soya beans	0.0033	0.43	0.21	0.13	-0.064	0.1	0.93	0.58	0.24	0.57	0.46	0.2	0.3	0.4	0.5	0.6
sunflower	0.028	0.21	0.13	-0.064	0.1	0.93	0.58	0.24	0.57	0.46	0.2	0.3	0.4	0.5	0.6	0.7
sweet basil in greenhouses	0.0	0.13	-0.064	0.1	0.93	0.58	0.24	0.57	0.46	0.2	0.3	0.4	0.5	0.6	0.7	0.8
tobacco	0.0	0.13	-0.064	0.1	0.93	0.58	0.24	0.57	0.46	0.2	0.3	0.4	0.5	0.6	0.7	0.8
ammonium sulphate	1	0.064	0.016	0.00017	0.006	0.061	0.0079	0.006	0.061	0.0079	1	0.39	0.59	0.17	0.44	0.3
calcium cyanamide	0.064	0.1	0.93	0.58	0.24	0.57	0.46	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.4
nitrogen fertilizers	0.016	0.93	0.58	0.24	0.57	0.46	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.4	0.5
organic fertilizers	0.00017	0.016	0.017	0.38	0.79	1	0.52	0.69	0.42	1	0.53	0.6	0.7	0.8	0.9	0.6
phosphorus fertilizers	0.006	0.061	0.00017	0.006	0.061	0.0079	0.006	0.061	0.0079	0.006	0.061	0.0079	0.006	0.061	0.0079	0.006
potassium fertilizers	0.0079	0.061	0.0079	0.006	0.061	0.0079	0.006	0.061	0.0079	0.006	0.061	0.0079	0.006	0.061	0.0079	0.006

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