

ANNEX N

Statistics for Romania

Cultivated area, by main crops ('000 hectares)

	1970	1975	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total	9179.5	9533.1	9569.5	9890.5	9402.1	9224.6	8878.8	9059.8	8972.6	8493.9	8499.8	8905.0	*	*
of which:														
Cereals for grains:	5900.9	6239.8	6468.6	6285.5	5704.0	6444.8	5842.8	6319.8	5920.6	5370.7	2655.2	6294.9	6062.2	5548.7
of which:														
Wheat and rye	2366.2	2385.7	2279.4	2395.6	2297.7	2501.4	1797.7	2424.4	2033.4	1686.9	1954.3	2558.6	2310.4	1747.1
Barley and two-row barley	288.4	442.1	809.5	680.4	749.0	581.7	515.4	626.5	517.2	415.5	411.9	528.8	579.3	330.0
Oats	131.3	70.1	50.9	72.1	144.3	238.9	233.9	219.1	228.1	248.2	232.3	219.4	242.4	243.3
Maize	3084.0	3304.7	3287.6	3090.1	2466.7	3109.2	3277.0	3037.7	3128.9	3013.4	3049.4	2974.0	2913.4	3205.8
Sorghum	...	15.2	21.3	9.0	5.2	5.8	7.3	5.3	7.2	1.7	1.6	6.2	*	*
Rice	27.9	21.9	19.8	37.6	39.9	6.2	8.5	4.0	1.7	1.6	1.4	1.2	*	*
Leguminous crops for beans	158.4	108.0	108.6	278.0	129.5	62.8	67.2	53.1	44.7	46.1	41.3	35.5	45.4	46.8
of which:														
Peas	106.3	3.3	12.5	95.4	52.0	32.2	27.7	22.0	14.0	15.6	13.1	11.7	27.0	27.4
Bean	49.0	83.8	94.6	168.9	72.0	29.9	37.8	29.9	29.2	28.1	26.2	21.5	16.1	18.8
Technical crops	1083.8	1198.8	1424.3	1434.1	908.0	979.3	1191.3	1039.3	1323.5	1338.3	1137.5	1003.5	*	*
Fibre crops	58.8	96.3	107.3	128.6	38.4	3.41	5.6	3.1	3.4	1.8	0.9	0.9	1.5	1.6
of which:														
Flax for fibre	35.8	59.8	70.9	76.3	21.3	2.3	2.3	0.8	0.3	0.3	0.4	0.3	*	*
Hemp for fibre	23.0	31.8	35.5	46.6	16.6	1.1	3.3	2.3	3.1	1.3	0.5	0.6	*	*
Oilseed crops	794.5	760.0	992.3	941.4	654.7	806.8	1012.1	871.5	1156.1	1244.3	1067.4	938.6	1076.8	1375.7
of which:														
Sunflower	604.1	511.1	507.6	465.8	394.7	714.5	916.8	780.7	962.2	1043.0	876.8	800.3	906.1	1186.0
Rape	...	12.9	14.3	59.3	13.0	0.3	1.7	7.2	25.3	83.6	68.4	82.4	*	*
Soyabean	79.1	120.8	363.9	318.8	190.2	73.4	80.2	63.1	147.3	99.8	117.0	44.8	71.6	129.2
Flax for oil	78.7	83.1	82.2	76.9	49.9	6.6	7.3	9.4	2.7	2.0	1.3	1.2	*	*
Castor plant	20.0	19.8	12.5	19.5	5.5	0.1	0.5	...	0.1	-	-	-	*	*
Crops for other industrial purposes	217.6	319.0	297.6	324.6	187.5	148.5	151.1	147.4	136.3	82.5	64.9	54.0	56.1	57.4
of which:														
Sugar beet	169.9	246.9	237.7	275.5	162.7	133.2	135.9	128.8	117.8	65.5	48.4	39.0	41.8	45.2
Tobacco	33.6	57.3	43.6	35.1	16.8	9.6	9.5	14.0	13.5	10.9	11.3	9.2	*	*
Medicinal and aromatic plants	12.9	23.5	27.1	39.5	27.4	20.6	22.5	17.3	27.7	9.9	4.2	10.0	10.6	12.3

Potatoes	286.2	288.9	286.4	321.0	289.6	244.3	257.0	255.0	261.3	273.7	282.7	276.7	283.1	282.0
of which:														
Autumn potatoes	238.5	247.9	246.5	270.7	245.5	211.7	224.0	222.9	299.0	238.5	246.5	241.6	246.5	247.5
Vegetables	244.6	222.9	297.8	261.7	216.0	213.8	217.3	208.3	223.2	233.1	234.0	229.2	237.4	242.2
of which:														
Tomatoes	56.6	56.1	74.6	69.6	50.6	44.6	46.2	44.0	47.7	47.5	47.6	45.9	*	*
Dry onion	40.0	38.0	38.7	29.9	27.2	34.6	35.9	33.2	36.4	37.3	37.1	37.1	*	*
Dry garlic	7.2	6.7	8.0	7.8	9.7	13.2	13.1	12.9	13.6	14.9	14.8	14.7	*	*
Cabbage	23.6	21.7	30.4	21.0	27.2	35.0	33.8	33.8	37.4	38.8	39.5	39.9	*	*
Green peppers	19.4	13.1	21.8	25.9	23.0	17.7	18.0	17.4	18.3	20.0	19.1	17.9	*	*
Edible roots	15.6	14.0	21.9	19.9	15.2	22.1	22.1	22.1	22.9	24.2	24.5	24.2	*	*
Water melons and melons	12.0	12.8	11.7	27.9	33.6	45.7	48.9	42.1	44.4	49.5	46.2	38.9	43.4	42.2
Fodder crops	1423.1	1457.5	850.1	1083.6	1962.1	1202.3	1222.6	1113.0	1128.7	1157.3	1083.3	1011.4	1168.3	1254.7
of which:														
Old and new perennials	733.5	892.1	554.9	737.5	813.9	698.8	695.9	701.1	693.6	707.9	682.2	668.1	*	*
of which:														
Lucerne	425.3	464.8	260.3	366.9	442.1	343.1	337.2	343.9	335.0	338.2	323.1	323.3	*	*
Clover	179.9	263.7	136.8	170.5	153.7	129.4	130.5	135.8	141.8	140.1	137.7	133.0	*	*
Annuals for hay and green fodder	369.1	254.6	148.8	150.7	464.1	337.7	345.1	286.0	302.6	348.4	310.5	269.8	*	*
of which:														
Plants used for silage	280.9	202.7	44.1	75.0	560.5	113.7	132.1	79.7	86.9	57.6	50.1	36.4	*	*
Maize for silage	19.8	79.5	76.3	82.6	84.9	41.9	40.8	39.6	39.5	39.0	36.6	33.7	*	*
Fodder roots	3.3	4.4	9.2	11.0	6.8	1.7	1.7	1.6	1.7	2.1	2.4	2.1	*	*
Strawberry fields			6.5	6.6	5.0	1.3	1.4	1.4	1.4	1.6	2.0	1.8	*	*
of which:														
In bearing														

* Statistical data not published yet

Source: National Institute of Statistics, Romanian Statistical Yearbook 1981, 1991, 1996, 1997, 2002

National Institute of Statistics, Statistical Informations 2002, 2003

Crop Production ('000 tonnes)

	1970	1975	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003
Cereals for grains:	10631.4	15265.8	19366.5	19503.3	17173.5	19882.8	14199.7	22100.3	15452.7	17037.3	10477.5	18870.9	14356.5	*
of which:														
Wheat and rye	3398.6	4912.2	6339.8	5599.5	7379.0	7709.3	3164.1	7185.6	5207.9	4682.5	4456.2	7763.8	4441.1	*
Barley and two-row barley	513.5	951.9	2348.7	1763.1	2679.6	1816.3	1107.5	1889.3	1238.0	1018.6	867.0	1580.0	1160.4	*
Oats	116.8	56.9	47.0	92.5	234.0	404.4	290.5	325.4	362.1	389.6	243.8	382.4	*	*
Maize	6535.5	9240.7	10563.3	11903.2	6809.6	9923.1	9607.9	12679.7	8623.4	10934.8	4897.6	9119.2	8399.8	*
Sorghum	...	35.6	2930	7.7	3.5	4.4	4.3	4.8	11.4	2.5	1.5	5.6	*	*
Rice	65.2	68.5	38.7	137.0	66.5	24.1	23.1	10.7	5.1	3.8	3.6	1.5	*	*
Leguminous crops for grain-total	229.1	111.6	99.1	282.4	112.1	97.0	77.0	78.6	72.5	76.8	36.9	61.2	55.3	*
of which:														
Peas	154.6	29.3	14.9	85.0	49.4	54.3	33.7	27.3	24.4	27.0	14.2	21.7	20.5	*
Bean	72.9	81.6	83.8	189.2	57.5	41.8	42.1	50.2	46.9	47.7	21.8	36.5	33.6	*
Technical crops														
Fibre crops														
of which:														
Flax fibre	66.0	113.5	134.7	127.4	53.2	7.2	4.1	1.9	0.7	0.7	0.9	0.4	*	*
Hemp fibre	76.6	133.6	135.9	154.0	72.1	5.9	13.0	9.6	11.1	7.3	1.4	2.8	*	*
Oilseed crops total	919.7	1019.9	306.7	1080.9	739.3	1055.4	1218.7	1001.6	1317.6	1606.6	868.5	1005.5	1194.5	*
of which:														
Sunflower	769.6	728.1	800.6	695.9	556.2	932.9	1095.6	857.9	1073.3	1300.9	720.9	803.5	1002.8	*
Rape	...	17.3	18.9	35.0	10.9	0.4	1.9	11.6	28.7	108.2	76.1	101.8	*	*
Soyabean	90.5	212.8	434.8	307.5	141.2	107.9	113.1	121.1	200.8	183.4	69.5	72.7	145.9	*
Flax for oil	42.3	44.8	44.0	36.0	28.0	4.7	4.5	4.8	3.0	2.8	1.0	2.0	*	*
Castor seed	11.9	11.8	2.4	5.8	1.6	...	0.1	...	0.1	*	*	-	*	*
Crops for other industrial purposes														
of which:														
Sugar beet	2921.3	4905.1	5297.5	6144.6	3277.7	2654.6	2848.2	2725.5	2361.4	1414.9	666.9	875.5	954.6	*
Tobacco	22.5	39.8	37.3	26.1	14.2	13.4	12.1	17.7	17.5	14.8	10.9	10.1	*	*

	1970	1975	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003
Medicinal and aromatic plants-total	9.4	14.1	19.2	25.6	20.5	12.1	6.6	9.2	19.9	5.2	1.4	6.5	*	*
	2064.2	2715.9	3942.3	6631.2	3185.6	3019.9	3591.4	3206.1	3319.2	3957.1	3469.8	3997.1	4077.6	*
Potatoes-total	1698.1	2307.3	3503.7	6075.8	2830.9	2618.3	3246.3	2851.0	2952.8	3581.2	3132.1	3591.7	3696.7	*
of which:														
Autumn potatoes	2004.0	2517.7	3338.7	5353.6	2357.5	2870.6	2727.5	2426.6	2819.1	3049.4	2527.8	2877.4	2863.5	*
Vegetables-total	1929.4	2391.7	3188.5	5188.4	2225.5	2782.8	2647.2	2353.9	2753.7	2995.9	2477.6	2826.3	2806.7	*
of which:														
Field vegetables	682.8	857.6	1198.0	1904.9	813.6	730.9	689.3	462.6	667.5	708.6	628.7	651.7	*	*
Of total vegetables:	222.7	225.9	281.8	366.1	225.4	363.0	305.6	337.0	365.2	401.1	296.3	396.5	*	*
Tomatoes	15.2	18.0	20.5	38.1	30.6	69.5	54.1	63.3	72.0	84.5	68.3	82.9	*	*
Dry onion	483.8	520.3	830.8	1131.0	551.9	824.4	857.4	761.0	837.8	885.4	731.9	819.2	*	*
Dry garlic	122.6	148.4	174.6	317.8	182.0	195.6	186.6	167.4	191.4	212.3	174.8	184.8	*	*
Cabbage	135.6	126.7	216.9	324.5	158.6	281.3	253.1	237.6	284.7	308.4	253.9	301.7	*	*
Green peppers														
Edible roots	89.6	160.4	120.6	517.5	381.6	639.4	693.9	625.7	689.6	853.2	531.1	560.5	651.3	*
Water melons and melons														
Fodder crops	10273.6	16954	13353.2	19034.9	12963.9	12209.9	12088.2	13300.9	12331.4	13509.2	9212.0	11535.7	*	*
Old and new perennials -total (in equivalent green fodder)	7019.2	2402.5	7478.1	10043.8	8057.2	7081.2	6984.8	7727.3	7004.1	7738.0	5120.7	6476.8	*	*
of which:														
Lucerne (in equivalent green fodder)	2200.7	1012.0	2645.6	4410.7	1926.0	2367.0	2400.6	2725.5	2632.0	2863.1	2018.4	2494.5	*	*
Clover (in equivalent green fodder)	5531.4	5901.5	5922.5	6323.2	6882.6	4127.4	3930.4	3741.4	3773.7	4334.5	2840.4	3146.2	*	*
Annuals for hay and green fodder (in	3622.1	5989.2	4689.0	3930.9	7520.9	1892.1	2084.2	1602.7	1145.6	1028.4	477.0	579.4	*	*

	1970	1975	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003
equivalent green fodder)	3326.2	4729.0	3678.8	1252.5	6549.5	1771.8	1978.8	1534.9	1095.4	974.2	444.0	542.2	*	*
Plants used for silage-total	446.4	2354.7	2986.4	3576.0	2575.0	1332.4	1301.1	1247.9	1119.5	1174.6	800.6	1035.2	*	*
of which:														
Maize used for silage														
Fodder roots- total														

* Statistical data not published yet

Source: National Institute of Statistics, Romanian Statistical Yearbook 1981, 1991, 1996, 1997, 2002

National Institute of Statistics, Statistical Informations 2002, 2003

Average yield per hectare, for main crops (kg)

	1970	1975	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003
Wheat and rye	1436	2060	2781	2337	3212	3082	1760	2964	2561	2776	2280	3034	1923	*
Barley and two-row barley	1780	2150	2902	2591	3577	3122	2149	3016	2394	2451	2105	2988	2005	*
Oats	890	810	923	1282	1622	1693	1242	1485	1588	1570	1050	1743	*	*
Maize grains	2119	2780	3210	3864	2756	3184	2926	4171	2756	3627	1603	3066	2902	*
Sorghum	...	2350	1360	854	674	763	587	905	1569	1503	923	899	*	*
Rice	2335	3130	1957	3643	1666	3903	2707	2677	2979	2432	2495	1263	*	*
Peas	1454	1260	1189	890	950	1684	1218	1240	1737	1730	1082	1848	*	*
Bean	585	580	609	958	550	923	687	1032	1046	1064	580	1040	*	*
Flax for fibre	1844	1900	1901	1669	2502	3202	1785	2406	2341	2078	2381	1464	*	*
Hemp for fibre	3322	4200	3827	3315	4336	5423	3987	4134	3600	5837	2603	4701	*	*
Sunflower	1274	1430	1577	1494	1409	1304	1193	1095	1115	1243	821	1029	1105	*
Rape	...	1350	1317	589	831	1178	1086	1620	1050	1294	1113	1235	*	*
Soyabean	1144	1760	1195	964	742	1470	1410	1920	1364	1838	594	1623	*	*
Flax for oil	538	540	536	468	562	719	618	507	1122	1373	738	1627	*	*
Castor seed	591	600	195	296	297	404	282	978	402	1000	-	-	*	*
Sugar beet	17197	19860	22284	22301	20149	19928	20960	21166	20045	21608	13787	22432	22930	*
Tobacco	670	700	6146	743	834	1388	1277	1266	1301	1349	965	1094	*	*
Potatoes	7113	8910	14070	20351	10964	12317	13949	12531	12642	14434	122429	14393	*	*
of which:														
Autumn potatoes	7000	8920	13897	22086	11498	12628	14464	12747	12837	14744	12684	14805	14976	*

Tomatoes	10521	11740	13885	22352	14440	15712	14213	9988	13801	14594	12815	14175	*	*
Dry onion	5569	5940	7017	11267	8279	10493	8509	10139	10036	10759	7990	10686	*	*
Dry garlic	2123	2670	2552	4715	3149	5263	4129	4292	5306	5666	4613	5658	*	*
Cabbage	14476	16320	18262	27091	15909	18891	20296	19906	18905	19684	16561	19629	*	*
Green peppers	6311	10630	8018	11616	7886	11034	10193	9594	10404	10557	9119	10342	*	*
Edible roots	8682	9030	9363	14200	9985	12587	11357	12356	12396	12706	10362	12454	*	*
Water melons and melons	7009	11120	8679	17670	11242	13628	14151	14536	15510	17036	11488	14081	14894	*
Old and new perennials-total (in equivalent green fodder)	13702	8680	23609	25561	15824	17380	17334	18889	17771	19074	13489	17244	*	*
Lucerne (in equivalent green fodder)	16437	5130	28629	27341	18197	20567	20675	22414	20900	23007	15821	20056	*	*
Clover (in equivalent green fodder)	11241	3550	17876	25099	12417	18092	18316	19922	18551	20427	14659	18758	*	*
Annuals for hay and green fodder (in equivalent green fodder)	14987	14250	15694	18525	11862	11797	11123	12898	12306	12391	8983	11654	*	*
Plants used for silage	12041	13960	26347	19620	11571	15096	14462	18768	15294	16743	8886	15266	*	*
Maize used for silage	9073		27710	16707	11075	15143	14320	18769	12425	16677	8761	15261	*	*

* Statistical data not published yet

Source: National Institute of Statistics, Romanian Statistical Yearbook 1981, 1991, 1996, 1997, 2002

National Institute of Statistics, Statistical Informations 2002, 2003

List of Current Industrial Crops, Areas (Hectares), Production (Tonnes) and Yields (Tonnes/Hectare)

	1970	1975	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003
Oil Crops														
Sunflower														
ha	604100	511100	507600	465800	394700	714500	91680	780700	962200	1043000	876800	800300	906100	1186000
t	769600	728100	800600	695900	556200	932900	109560	857900	1073300	1300900	720900	803500	1002800	*
t/ha	1.274	1.430	1.577	1.494	1.409	1.304	1.193	1.095	1.115	1.243	0.821	1.029	1.105	*
Soyabean														
ha	79100	120800	363900	318800	190200	73400	80200	63100	147300	99800	117000	44800	71600	129200
t	90500	212800	434800	307500	141200	107900	113100	121100	200800	183400	69500	72700	145900	*
t/ha	1.144	1.760	1.195	0.964	0.742	1.470	1.410	1.920	1.364	1.838	0.594	1.623	*	*
Oilseed rape														
ha		12900	14300	59300	13000	300	1700	7200	25300	83600	68400	82400	*	*
t	.....	17300	18900	35000	10900	400	1900	11600	28700	108200	76100	101800	*	*
t/ha	.....	1.350	1.317	0.589	0.831	1.178	1.086	1.620	1.050	1.294	1.113	1.235	*	*
Linseed														
ha	78700	83100	82200	76900	49900	6600	7300	9400	2700	2000	1300	1200	*	*
t	42300	44800	44000	36000	28000	4700	4500	4800	3000	2800	1000	2000	*	*
t/ha	0.538	0.540	0.536	0.468	0.562	0.719	0.618	0.507	1.122	1.373	0.738	1.627	*	*
Castor plant														
ha	20000	19800	12500	19500	5500	100	500	....	100	-	-	-	*	*
t	11900	11800	2400	5800	1600	....	100	....	100	*	*	-	*	*
t/ha	0.591	0.600	0.195	0.296	0.297	0.404	0.282	0.978	0.402	1.00	*	*	*	*
Fibre Crops														
Flax														
ha	35800	59800	70900	76300	21300	2300	2300	800	300	300	400	300	*	*
t	66000	113500	134700	127400	53200	7200	4100	1900	700	700	900	400	*	*
t/ha	1.844	1.900	1.901	1.669	2.502	3.202	1.785	2.406	2.341	2.078	2.381	1.464	*	*
Hemp														
ha	23000	31800	35500	46600	16600	1100	3300	2300	3100	1300	500	600	*	*
t	76600	133600	135900	154000	72100	5900	13000	9600	11100	7300	1400	2800	*	*
t/ha	3.322	4.200	3.827	3.315	4.336	5.423	3.987	4.134	3.609	5.837	2.603	4.701	*	*

Carbohydrate**Crops**

Maize

ha	3084000	3304700	3287600	3090100	2466700	3109200	3277000	3037700	3128900	3013400	3049400	2974000	2913400	3205800
t	6535500	9240700	10563300	1190320	6809600	9923100	9607900	12679700	8623400	10934800	4897600	9119200	8399800	*
t/ha	2.119	2.780	3.210	3.864	2.756	3.184	2.926	4.171	2.786	3.627	1.603	3.066	2.902	*

Crops with**Special Use**Medicinal &
aromatic plants

ha	12900	23500	27100	39500	27400	20600	22500	17300	27700	9900	4200	10000	10600	12300
t	9400	14100	19200	25600	20500	12100	6600	9200	19900	5200	1400	6500	*	*
t/ha														

* Statistical data not published yet

Source: National Institute of Statistics, Romanian Statistical Yearbook 1981, 1991, 1996, 1997, 2002

National Institute of Statistics, Statistical Informations 2002, 2003

Comments: No differentiation or estimation is available for the areas of food and nonfood use.