

## PRESS RELEASE No. 298 of November 27, 2015

### The use of pesticides in agriculture in 2013

For the accurate interpretation of results, kindly see the "Methodological Note" on page 3 of the press release

According to the results of "The use of pesticides in agriculture in 2013" survey, the area treated with herbicides has the largest share in the area treated with pesticides (products of plant protection), both in solid (69.1%) and liquid form (50.1%).

#### The area treated and the quantity of plant protection products used in solid form, by development regions and chemical groups

Development regions	Fungicides		Insecticides		Herbicides		Other plant protection products	
	- ha -	- kg -	- ha -	- kg -	- ha -	- kg -	- ha -	- kg -
<b>TOTAL</b>	<b>269831</b>	<b>2651659</b>	<b>238324</b>	<b>476304</b>	<b>1171564</b>	<b>420181</b>	<b>15242</b>	<b>154000</b>
North-East	30743	511012	33076	126730	117394	37137	1551	14316
South-East	69176	939718	57726	124429	381842	115741	10203	102982
South-Muntenia	55502	401627	43625	57614	340921	98233	104	1086
South-West Oltenia	50303	313824	32635	81677	150065	53068	81	795
West	11234	66797	9571	20950	106847	45720	107	1111
North-West	28504	234628	45368	34336	36430	32476	1250	13630
Centre	22413	178073	14939	29409	19512	33645	1590	16347
Bucharest-Ilfov	1956	5980	1384	1159	18553	4161	356	3733

The area treated with herbicides has the largest share in the area treated with plant protection products in solid form (69.1%), followed by that treated with fungicides (15.9%) and that treated with insecticides (14.1%).

From the point of view of the quantity used in solid form, fungicides have the largest share in the total plant protection products used (71.6%), followed by insecticides (12.9%) and herbicides (11.3%).

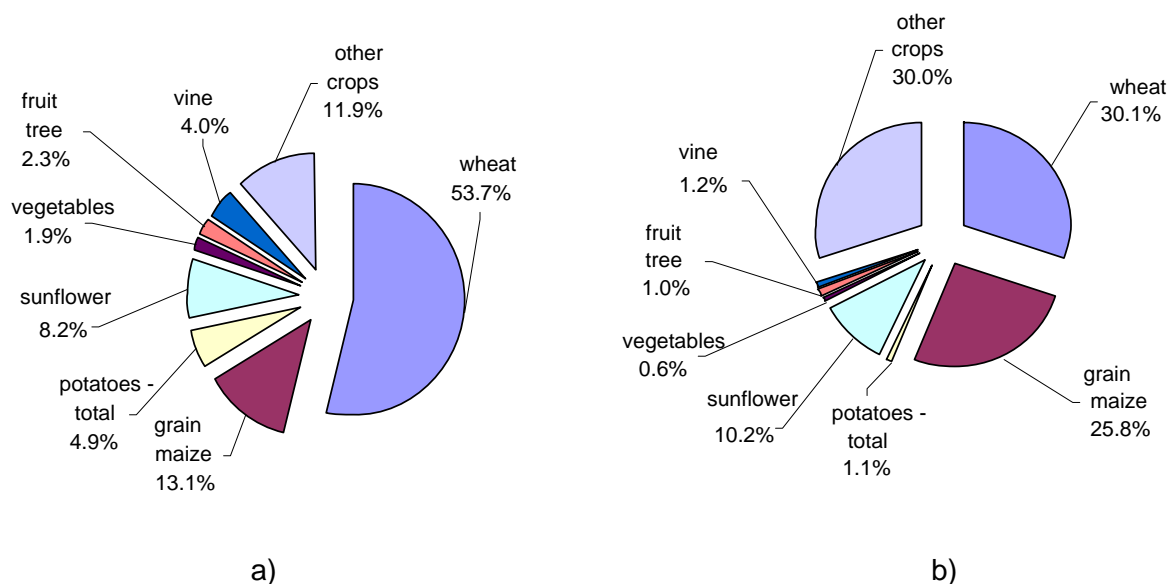
#### The area treated and the quantity of plant protection products used in liquid form, by development regions and chemical groups

Development regions	Fungicides		Insecticides		Herbicides		Other plant protection products	
	- ha -	- litres -	- ha -	- litres -	- ha -	- litres -	- ha -	- litres -
<b>TOTAL</b>	<b>1919030</b>	<b>4352244</b>	<b>1440679</b>	<b>1541960</b>	<b>3425021</b>	<b>10003541</b>	<b>52130</b>	<b>224138</b>
North-East	154901	316229	120499	150724	414795	1573189	3853	8624
South-East	591535	1169750	450904	643612	765132	1889710	3435	33290
South -Muntenia	483122	1182633	434634	414599	885111	2481987	26270	66035
South -West Oltenia	225574	879734	108747	102911	435214	1596425	4005	43449
West	192594	301186	122058	53424	310101	993921	12325	61873
North-West	188584	338080	125679	123373	357613	803095	218	241
Centre	67263	135934	67170	46866	232503	574610	1983	10581
Bucharest-Ilfov	15457	28698	10988	6451	24552	90604	41	45

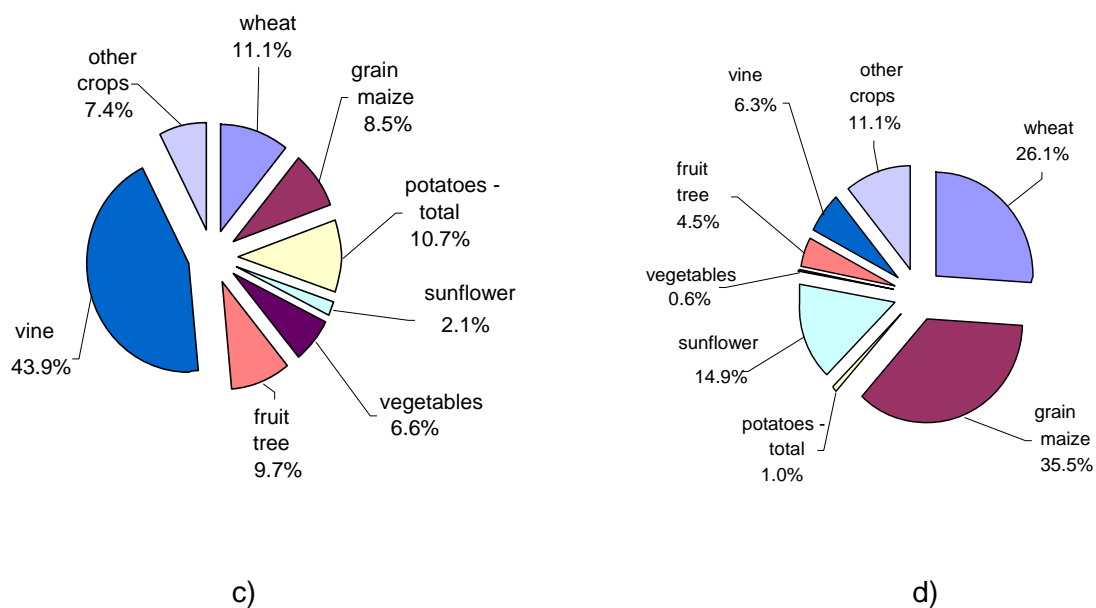
The area treated with herbicides has the largest share in the area treated with plant protection products in liquid form (50.1%), followed by that treated with fungicides (28.1%) and by that treated with insecticides (21.1%).

From the point of view of the quantity used in liquid form, herbicides have the largest share in the total plant protection products used (62.0%), followed by fungicides (27.0%) and insecticides (9.6%).

The structure of the areas treated with plant protection products in solid form in Kg (a) and in Liquid form in litres (b).



The structure of the quantity of plant protection products used in solid form in Kg (c) and in liquid form in Liters (d).



## Methodological Note

### 1. Data source

The information presented are from the survey “The use of pesticides in agriculture in 2013”, carried out by the National Institute of Statistics, every 5 years, in accordance with Regulation (EC) of the European Parliament and of the Council no. 1185/2009, on statistics regarding pesticides and Regulation (EC) no. 1107/2009 on the placing of plant protection products on the market and repealing of Directives 79/117/EEC and 91/414/EEC of the Council.

This survey was carried out based on a representative sample at national level, macro-regions and development regions. The volume of the sample was 60055 agricultural holdings, out of which 13535 agricultural holdings with legal status and 46520 agricultural holdings without legal status.

The confidence interval was 95% ( $\pm 5\%$  margin of error).

### 2. Concepts and definitions

**Cultivated area** represents the area sown / planted in own field, in the agricultural year of reference (October 1st – September 30th) with a main crop (that covers the field most of the time) or in the previous agricultural years for the biennial, triennial or perennial crops.

**Treated area** represents the area on which at least one plant protection treatment was made (soil and seed treatment included) directly or indirectly related to the respective crop.

**Used quantity** represents the quantity of commercial product (from the soil and seed treatment included) in liquid or solid form (state) that was used for treating the respective crop.

**Plant protection products** are the products containing active substances, plant protection agents or synergic agents, in the form presented to the user and intended for:

- the protection of plants and plant products against all harmful organisms or preventing the action of such organisms;
- perform an action on life processes of plants, other than a nutritional action;
- ensure the conservation of plant products, as far as such substances or products are not covered by other legal regulations on preservatives;
- destroy certain parts of plants, stop or prevent unwanted plant growth.

*For additional information, kindly see the statistical publication “The use of pesticides in agriculture in 2013”, date of issue December 15, 2015.*