

Fertilizer Use by Crop

Germany

	Planted Area	N Application Rate	P ₂ O ₅ Application Rate	K ₂ O Application Rate	Crop Share of Total N Use	Crop Share of Total P ₂ O ₅ Use	Crop Share of Total K ₂ O Use
	Ha	Kg N / Ha	Kg P ₂ O ₅ / Ha	Kg K ₂ O / Ha	%	%	%
Crop	2017/18	2017/18	2017/18	2017/18	2017/18	2017/18	2017/18
Wheat	3 202 000	150	12	15	32%	18%	12%
Barley	1 566 000	125	13	14	13%	9%	5%
Rye, triticale, oats, rice	1 054 000	105	15	14	7%	7%	4%
Grain maize, including corn cob maize	432 000	120	45	54	3%	9%	6%
Other cereal	23 000	85	17	14	0%	0%	0%
Oilseed rape	1 224 000	140	25	75	11%	14%	22%
Sunflower, soya, linseed	45 000	40	17	44	0%	0%	0%
Pulses (peas, beans)	115 000	7	15	45	0%	1%	1%
Potato	252 000	135	60	165	2%	7%	10%
Sugar beet	410 000	125	60	139	3%	11%	14%
Vegetables	140 000	165	50	130	2%	3%	4%
Other (including tobacco, poppy...)	100 000	60	20	30	0%	1%	1%
Fodder (legumes)	300 000	10	11	40	0%	2%	3%
Fodder (other)	390 000	110	11	35	3%	2%	3%
Silage maize	1 200 000	50	8	15	4%	4%	4%
Short rotation coppice	20 000	8	3	10	0%	0%	0%
Perennial herbaceous crops (Miscanthus, etc.)	3 000	20	8	25	0%	0%	0%
Maize for biogas	944 000	53	8	15	3%	3%	3%
Permanent crops (fruit, vineyard)	206 000	40	6	50	1%	1%	2%
Grassland*	3 950 000	58	4	5	15%	7%	5%
Fertilized forests	-	0	0	0	0%	-	-
Total	15 576 000				100%	100%	100%

*Grassland area is the combination of fertilized grassland area and non-fertilized grassland area. In 2017/18, 85% of total grassland area was fertilized in Germany.

Source

- ❖ Statistics from Fertilizers Europe <https://www.fertilizerseurope.com/>
- ❖ Crop Calendar and photo from Industrieverband Agrar <https://www.iva.de/>

To find out more, visit <https://www.ifastat.org>