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ANNEXES 1 to 2

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to the

**COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL
COMMITTEE AND THE COMMITTEE OF THE REGIONS**

**Recommendations to the Member States as regards their strategic plan for the Common
Agricultural Policy**

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Annex 1 – Reference values for the quantified Green Deal targets

Green Deal ambition	Pesticides			Antimicrobials	Broadband in rural areas	Organic farming	High-diversity landscape features	Nutrients		
EU 2030 target(s)	**50%** reduction of the overall use and risk of chemical pesticides, and use of more hazardous pesticides			**50%** reduction of sales of antimicrobials for farmed animals and in aquaculture	**100%** access to fast broadband internet in rural areas by 2025	**25%** of the EU's agricultural land under organic farming	**10%** of agricultural area under high-diversity landscape features	**50%** reduction of nutrient losses, while ensuring no deterioration in soil fertility. This will reduce the use of fertilisers by at least 20% by 2030.		
Indicator	Harmonised Risk Indicator 1 (HRI1)[1]		Quantities of sales of candidate pesticides for substitution[2]	Active ingredient of veterinary antimicrobial agents marketed mainly for food-producing animals in milligrams per population correction unit[3]	Share of rural households with next generation access (NGA) broadband[4]	Share of utilised agricultural area under organic farming[5]	Share of agricultural area under high diversity landscape features[6]	Gross nitrogen balance in kilograms per hectare of utilised agricultural area[7]	Share of groundwater monitoring stations with nitrate concentration greater than 50 mg/L[8]	Gross phosphorus balance in kilograms per hectare of utilised agricultural area[9]
Reference year(s)	Δ 2011-2013/2018	Average 2015-2017	Average 2015-2017	2018	2019	2018	2018/2015*	Average 2012-2014**	Average 2012-2015	Average 2012-2014***
EU-27 reference value	-17%	100[10]		118.3[11]	56.4%	8%	4.6%	46	13.3%	1
Member State reference values										
BE	-28%	100		113.1	97.5%	6.6%	1.4%	138	15.9%	6
BG	-17%	100		119.6	28.4%	2.6%	4%	23	18.7%	-6
CZ	-39%	100		57.0	64.2%	14.8%	0.8%	76	11.6%	-3
DK	-48%	100		38.2	76.7%	9.8%	1.3%	83	16.6%	7
DE	-18%	100		88.4	74.6%	7.3%	2.2%	73	28.0%	-2
EE	31%	100		53.3	62.4%	21%	4.4%	24	4.2%	-7
IE	-31%	100		46.0	89.8%	2.6%	1%	38	0.0%	20
EL	-41%	100		90.9	40.1%	9.3%	3%	55	15.5%	0
ES	-22%	100		219.2	58.7%	9.3%	13.2%	34	21.5%	4
FR	1%	100		64.2	47.6%	7.0%	2%	43	12.4%	1
HR	-38%	100		66.8	34.5%	6.9%	1.6%	60	2.4%	6
IT	-9%	100		244	68.4%	15.2%	3.7%	72	11.1%	-2
CY	34%	100		466.3	100%	4.6%	11.1%	186	17.4%	30
LV	40%	100		36.1	81.7%	14.5%	16.8%	27	2.0%	2
LT	-14%	100		33.1	28.7%	8.1%	3.3%	28	1.5%	3

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* Data currently available regarding high-diversity landscape features are the share of UAA under fallow land, based on EUROSTAT 2018 data and the share of landscape elements, based on the LUCAS 2015 survey operated by Eurostat, data elaboration by DG AGRI – see endnote 6.

** The latest complete data set available from Eurostat is for the year 2014.

LU	-38%	100		33.6	92%	4.4%	0.2%	127	15.0%	4
HU	-16%	100		180.6	77.7%	3.9%	3.3%	35	7.1%	-1
MT	-19%	100		150.9	100%	0.4%	9.3%	145	70.7%	29
NL	-23%	100		57.5	96.1%	3.5%	3.8%	167	11.8%	3
AT	29%	100		50.1	68.4%	24.1%	2.1%	38	8.1%	1
PL	-22%	100		167.4	32.6%	3.3%	2.3%	48	5.6%	2
PT	-34%	100		186.6	69.4%	5.9%	7.6%	42	17.9%	4
RO	-52%	100		82.7	53.4%	2.4%	3.4%	7	15.6%	-1
SI	9%	100		43.2	62.2%	10.0%	0.2%	56	11.6%	4
SK	-16%	100		49.3	45.3%	9.9%	1.9%	33	12.8%	-5
FI	44%	100		18.7	9.1%	13.1%	16.5%	47	0.5%	4
SE	-44%	100		12.5	40.9%	20.3%	7.1%	32	0.9%	-1

Annex 2 – Developments of greenhouse gas emissions from agriculture and land use, land use change and forestry sectors in the EU

Green Deal objective	Greenhouse gas emissions							
EU target	Contribution to the 55% greenhouse gas emissions reduction target by 2030 and to climate neutrality by 2050							
Indicator	Developments of greenhouse gas emissions from agriculture since 1990 and 2005		Emissions from agriculture in million tonnes of CO_2 equivalents[12]	Of which			Emissions from enteric fermentation per unit of ruminants in tonnes of CO_2 equivalents per livestock unit[13]	Emissions from agriculture per unit of agricultural land in tonnes of CO_2 equivalents per hectare of utilised agricultural area[14]	Greenhouse gas emissions from land use, land use change and forestry in million tonnes of CO_2 equivalents[15]
				from enteric fermentation in million tonnes of CO_2 equivalents[16]	from managed agricultural soils in million tonnes of CO_2 equivalents[17]	from manure management in million tonnes of CO_2 equivalents[18]			
Years/ period	Δ 1990 / 2016-2018	Δ 2005 / 2016-2018	Average 2016-2018						Average 2016-2018
EU-27	-20.1%	-0.1%	396.8	173.1	153.1	56.3	2.7	2.5	-266.9
Member State situation									
BE	-18.2%	-3.3%	10.0	4.6	3,3	1.9	2.6	7.4	-1.0
BG	-47.7%	26.1%	6.5	1.5	4,2	0.6	2.3	1.3	-8.5
CZ	-44.4%	6.9%	8.8	3.0	4,5	1.0	2.8	2.5	-0.4
DK	-15.7%	-1.6%	11.1	3.7	4,2	2.9	3.3	4.2	5.7
DE	-17.6%	1.8%	65.4	25.5	26,0	9.5	2.8	3.9	-27.0
EE	-47.2%	19.6%	1.4	0.5	0,7	0.2	2.7	1.4	-2.1
IE	-0.2%	4.4%	19.6	11.4	5,7	2.0	2.0	4.4	4.3
EL	-22.7%	-12.5%	7.8	3.6	3,1	0.9	2.2	1.5	-3.2
ES	6.5%	-3.7%	39.5	17.5	12,3	8.6	2.8	1.6	-38.3
FR	-8.2%	-2.3%	75.6	34.7	32,5	6.3	2.4	2.6	-27.2
HR	-38.2%	-17.1%	2.7	1.0	1,1	0.6	2.6	1.8	-4.9
IT	-12.0%	-4.7%	30.5	14.2	8,5	5.7	2.6	2.4	-32.6
CY	4.3%	-7.7%	0.5	0.3	0,1	0.1	3.0	4.0	-0.3
LV	-52.4%	14.5%	2.7	0.9	1,6	0.2	2.5	1.4	0.0
LT	-50.6%	5.4%	4.4	1.5	2,4	0.4	2.6	1.5	-4.0
LU	-0.5%	10.0%	0.7	0.4	0,2	0.1	2.7	5.3	-0.4
HU	-28.7%	16.0%	7.1	2.0	3,7	1.1	2.7	1.3	-4.8
MT	-14.3%	-13.6%	0.1	0.0	0,0	0.0	2.5	5.7	0.0
NL	-25.6%	1.7%	18.7	8.6	5,4	4.6	2.7	10.3	5.0
AT	-9.8%	4.3%	7.3	4.1	2,1	1.0	2.9	2.7	-4.8
PL	-33.2%	5.5%	32.4	12.7	15,1	3.6	2.9	2.2	-34.7
PT	-5.8%	0.6%	6.7	3.4	2,2	0.9	2.5	1.9	-0.4
RO	-45.5%	-8.1%	19.4	10.9	5,8	2.1	4.1	1.4	-23.1
SI	-6.6%	0.0%	1.7	0.9	0,4	0.3	2.6	3.6	0.1
SK	-54.7%	3.7%	2.7	1.0	1,4	0.3	2.7	1.4	-6.3
FI	-11.6%	1.3%	6.6	2.1	3,6	0.7	3.2	2.9	-14.7
SE	-9.7%	-2.1%	6.9	3.0	3,2	0.6	2.7	2.3	-43.3

1 European Commission. *Harmonised Risk Indicator for pesticides (HRI 1), by groups of active substances.* As in EUROSTAT [AEI_HRI]. For the purposes of the Green Deal target, the indicator will be re-indexed to set 2015-2017 as the reference period.

2 Due to confidentiality rules on statistical data, the Commission cannot publish the quantities of hazardous pesticides marketed in each Member State. This is the reason why the dedicated column of the table in Annex I is empty. As mentioned in the Farm to Fork Strategy, the Commission is committed to launching an initiative to overcome such issues via the upcoming revision of the pesticides statistics regulation.

3 European Medicines Agency, European Surveillance of Veterinary Antimicrobial consumption (ESVAC). *Sales of veterinary antimicrobial agents in 31 countries in 2018 – trends from 2010 to 2018 Tenth ESVAC Report.* EMA/24309/2020

4 European Commission. *Digital Economy and Society Index.* DESI individual indicators – 1b1 Fast BB (NGA) coverage [desi_1b1_fbbc]

5 European Commission. *CAP context indicator C.19 Agricultural area under organic farming.* Based on EUROSTAT [org_cropar_h1] combined with [apro_cpsh1], and [org_cropar]

6 As stated in the EU 2030 Biodiversity Strategy, high diversity landscape features, on an agricultural area, include, inter alia, buffer strips, rotational or non-rotational fallow land, hedges, non-productive trees, terrace walls, and ponds. Data used in the table for defining the reference value do not cover all high diversity landscape features. The Commission and the European Environmental Agency are developing a more robust indicator in the framework of the CAP post-2020 to ensure all elements defined in the EU 2030 Biodiversity Strategy are covered. The presented values originate from Directorate General for Agriculture and Rural Development (based on EUROSTAT for land laying fallow [apro_cpsh1] and Joint Research Centre based on LUCAS survey for estimation of landscape elements) and should be taken with caution because of methodological caveats.

7 European Commission. *CAP context indicator C.40 Water quality.* Based on EUROSTAT [aei_pr_gnb]. The Commission will soon launch initiatives to improve the robustness and completeness of these data

8 European Commission. *Report on the implementation of Council Directive 91/676/EEC concerning the protection of waters against pollution caused from agricultural sources based on Member State reports for the period 2012-2015.* SWD(2018) 246 final. https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52018SC0246&qid=1607348904997

9 European Commission. *CAP context indicator C.40 Water quality.* Based on EUROSTAT [aei_pr_gnb]. The Commission will soon launch initiatives to improve the robustness and completeness of these data

10 Farm to Fork pesticide target "overall use and risk reduction of chemical pesticides" by 50% by 2030 is measured by using HRI1; Baseline: HRI1 (2015-2017) = 100 = >2030 target = 50

11 Farm to Fork antimicrobial resistance target "50% reduction of EU overall sales of antimicrobials for farmed animals and in aquaculture" by 2030, compared to the EU reference value in 2018 (10th ESVAC report data), which results in a target of an overall average EU value of 59.2 mg/PCU

12 European Commission. *CAP context indicator C.45 Emissions from agriculture.* Based on EUROSTAT [env_air_gge], original source European Environmental Agency (UNFCC_v22)

13 European Commission. Based on EUROSTAT [env_air_gge] and [ef_lsk_main]

14 European Commission. Based on EUROSTAT [env_air_gge] and [apro_cpsh1]

15 European Commission. *CAP context indicator C.45 Emissions from agriculture.* Based on EUROSTAT [env_air_gge], original source European Environmental Agency (UNFCC_v22)

16 European Commission. *CAP context indicator C.45 Emissions from agriculture.* Based on EUROSTAT [env_air_gge], original source European Environmental Agency (UNFCC_v22)

17 European Commission. *CAP context indicator C.45 Emissions from agriculture.* Based on EUROSTAT [env_air_gge], original source European Environmental Agency (UNFCC_v22)

18 European Commission. *CAP context indicator C.45 Emissions from agriculture.* Based on EUROSTAT [env_air_gge], original source European Environmental Agency (UNFCC_v22)