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ANNEXES 1 to 8

ANNEXES

to the

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

on the sustainable use of plant protection products and repealing Directive 2009/128/EC

ANNEX I

METHODOLOGY FOR CALCULATING PROGRESS IN ACHIEVEMENT OF THE TWO UNION AND TWO NATIONAL 2030 REDUCTION TARGETS

The trends towards the 2030 reduction targets in this Annex shall be calculated annually up to 2030.

SECTION 1

National 2030 Reduction Target 1

1. The methodology shall be based on statistics on the quantities of chemical active substances as defined in point 5 of Article 2 placed on the market in plant protection products under Regulation (EC) No 1107/2009, provided to the Commission (Eurostat) under Annex I (Statistics on the placing on the market of pesticides) to Regulation (EC) No 1185/2009.

2. The following general rules shall apply for the calculation of progress in achieving Reduction Target 1:

   (a) progress shall be calculated on the basis of the categorisation of chemical active substances into the 4 Groups set out in the Table in this Annex;

   (b) the chemical active substances in Group 1 shall be those listed in Part D of the Annex to Commission Implementing Regulation (EU) No 540/2011;

   (c) the chemical active substances in Group 2 shall be those listed in Parts A and B of the Annex to Implementing Regulation (EU) No 540/2011;

   (d) the chemical active substances in Group 3 shall be those listed in Part E of the Annex to Implementing Regulation (EU) No 540/2011;

   (e) the chemical active substances in Group 4 shall be those not approved under Regulation (EC) No 1107/2009, and therefore not listed in the Annex to Implementing Regulation (EU) No 540/2011;

   (f) the weightings in row (iii) in the Table in this Annex shall apply.

3. Progress in the achievement of Target 1 shall be calculated by multiplying the annual quantities of active substances placed on the market for each Group in the Table in this Annex by the relevant hazard weighting set out in Row (iii), followed by the aggregation of the results of these calculations.

Table

Categorisation of active substances and hazard weightings for the purpose of calculating Farm to Fork Target 1

Row	Groups			
	1	**2**	**3**	**4**
(i)	Low-risk chemical active substances which are approved or deemed to be approved under Article 22 of Regulation (EC) No 1107/2009, and which are listed in Part D of	Chemical active substances approved or deemed to be approved under Regulation (EC) No 1107/2009, and not falling in other categories, and which are listed in Parts A	Chemical active substances that are approved as candidates for substitution in accordance with the criteria in point 4 of Annex II to Regulation (EC) No 1107/2009, which includes active substance that meet the	Chemical active substances which are not approved under Regulation (EC) No 1107/2009, and

	the Annex to Implementing Regulation (EU) No 540/2011	and B of the Annex to Implementing Regulation (EU) No 540/2011	criteria set out in points 3.6.3 to 3.6.5 of that Annex.	therefore which are not listed in the Annex to Implementing Regulation (EU) No 540/2011
(ii)	Hazard Weightings applicable to quantities of chemical active substances placed on the market in products authorised under Regulation (EC) No 1107/2009			
(iii)	**1**	**8**	**16**	**64**

4. The baseline for Reduction Target 1 shall be set at 100, and is equal to the average result of the above calculation for the period 2015-2017.

5. The progress in achievement of Reduction Target 1 shall be expressed by reference to the baseline.

6. The Member States and the Commission shall calculate the progress in the achievement of Reduction Target 1 in accordance with Article 32 of this Regulation for each calendar year and at the latest 20 months after the end of the year for which Farm to Fork Target 1 is being calculated.

SECTION 2

National Reduction Target 2: methodology for estimating the use of the more hazardous plant protection products

1. The methodology shall be based on statistics on the quantities of active substances placed on the market in plant protection products under Regulation (EC) No 1107/2009, provided to the Commission (Eurostat) under Annex I (Statistics on the placing on the market of pesticides) to Regulation (EC) No 1185/2009.

2. Progress in the achievement of Target 2 shall be calculated by adding together the annual quantities of chemical active substances that are approved as candidates for substitution in accordance with the criteria in point 4 of Annex II to Regulation (EC) No 1107/2009, which includes active substance that meet the criteria set out in points 3.6.3 to 3.6.5 of that Annex.

3. The baseline for Reduction Target 2 shall be set at 100, and is equal to the average result of the above calculation for the period 2015-2017.

4. The progress in the achievement of Reduction Target 2 shall be expressed by reference to the baseline.

5. The Member States and the Commission shall calculate progress in the achievement of Reduction Target 2 in accordance with Article 32 of this Regulation for each calendar year and at the latest 20 months after the end of the year for which the Farm to Fork Target 2 is being calculated.

ANNEX II

DATA TO BE PROVIDED IN ANNUAL PROGRESS AND IMPLEMENTATION REPORTS

Part 1: Annual trends in progress towards achievement of national targets

1. by year N + 18 months, whereas year N may be prior to the date of application of this Regulation, the trends in a Member State's progress towards achieving the two national 2030 reduction targets between the baseline period of the average of the years 2015-2017 and year N;
2. each Member State shall update the trends in progress on an annual basis in its Annual Progress and Implementation Reports;
3. all other national indicative targets described in paragraphs 2 to 4 of Article 8.

Part 2: All other quantitative data relevant to implementation of this Regulation and level of compliance with it[1]

Use of plant protection products:

1. the percentage of professional users controlled for integrated pest management implementation;
2. the percentage of professional users keeping electronic records on integrated pest management implementation;
3. the percentage of professional users keeping pesticide use data electronically;
4. the number of aerial application derogations and reasons given;
5. the percentage of utilisable agricultural areas covered by aerial application derogations;
6. the number of derogations for use of plant protection products in sensitive areas;
7. the percentage of utilisable agricultural area covered by derogations for use of plant protection products in sensitive areas;
8. whether Member States have applied derogations allowing for
   (a) different inspection requirements to application equipment that represents a very low scale of use, or
   (b) exemptions for handheld equipment or knapsack sprayers.

Training and advisory services:

1. the percentage of professional users, advisers and distributors trained broken down by professional user, advisers and distributors;
2. the percentage of professional users that use independent advisory services at least once a year.

[1] This data is to be provided by N + 6 months after the relevant year N in accordance with Article 10.

Application equipment:

1. the estimated percentage of application equipment registered on the electronic register of application equipment in professional;
2. the estimated percentage of application equipment in professional use that has been inspected
3. the estimated percentage of application equipment including risk mitigation devices.

Member State further measures to implement integrated pest management:

1. the percentage of utilisable agricultural area in each Member State that is covered by crop-specific rules that have been made legally binding under national legislation.

ANNEX III

GENERAL PRINCIPLES OF INTEGRATED PEST MANAGEMENT

1. A professional user shall first implement practices that avoid the use of chemical plant protection products for the prevention and/or suppression of harmful organisms before resorting to application of chemical plant protection products. A professional user's records under Article 12(1) shall demonstrate that he or she has considered the following options:

   – crop rotation,

   – use of adequate cultivation techniques (e.g. stale seedbed technique, sowing dates and densities, under-sowing, conservation tillage, pruning and direct sowing),

   – use, where appropriate, of resistant/tolerant cultivars and standard/certified seed and planting material,

   – use of balanced fertilisation, liming and irrigation/drainage practices,

   – preventing the spreading of harmful organisms by hygiene measures (e.g. by regular cleansing of machinery and equipment),

   – protection and enhancement of important beneficial organisms, e.g. by adequate plant protection measures or the utilisation of ecological infrastructures inside and outside production sites,

   – pest exclusion by use of protected structures, nets and other physical barriers.

2. Professional users shall monitor harmful organisms by adequate methods and tools. Such adequate methods and tools shall include at least one of the following:

   (a) observations in the field;

   (b) scientifically sound warning, forecasting and early diagnosis systems, where feasible; and

   (c) the use of advice from professionally qualified advisors.

3. A professional user shall not apply a chemical plant protection product unless:

   (a) the monitoring of harmful organisms justifies the need to apply plant protection measures in a timely manner because:

      (i) where a crop-specific rule exists, the relevant threshold value has been breached; or

      (ii) where crop-specific rules do not exist, the professional user makes and records a professional judgement, based on recorded observation(s), that the level detected is sufficiently high to justify application of plant protection products; or

   (b) guided by decision support systems, or a professionally qualified advisor if available, the professional user decides, by way of a recorded decision, to use plant protection methods for preventative reasons.

4. A professional user shall use biological controls, physical and other non-chemical methods in preference to chemical methods, unless chemical methods are demonstrated to be required for satisfactory harmful organism control.

5. A professional user shall apply plant protection products that are as specific as possible for the target and have the least side effects on human health, non-target organisms and the environment.

6. A professional user shall keep the use of chemical plant protection products and other forms of intervention to levels that do not exceed the levels that are absolutely necessary to control the target organism and that do not increase the risk for development of resistance in populations of harmful organisms. This shall be done, inter alia, by:

   (a) reduced doses,

   (b) reduced application frequency,

   (c) partial applications, or

   (d) spot application.

7. Where the risk of resistance against a plant protection measure is known and where the level of harmful organisms requires repeated application of that measure to the crops, available anti-resistance strategies shall be applied to maintain the effectiveness of that measure. Where a plant protection measure involves repeated use of plant protection products, plant protection products with different modes of action shall be used.

8. A professional user shall enter electronic records in the electronic integrated pest management register referred to in Article 31 of:

   (a) all practices employed in order to avoid and minimize the use of chemical plant protection products;

   (b) the pest levels detected prior to each plant protection products application; and

   (c) each application of a plant protection product as laid out in Article 67 of Regulation (EC) No 1107/2009.

9. A professional user or an advisor shall:

   (a) check and document the level of success of the applied plant protection measures based on:

      (i) records on the use of plant protection products and other interventions (cultural, physical and biological control); and

      (ii) the monitoring of harmful organisms; and

   (b) apply that knowledge as part of the decision making process for subsequent interventions.

ANNEX IV

TRAINING SUBJECTS REFERRED TO IN ARTICLE 20

1. All relevant legislation regarding plant protection products and their use and in particular this Regulation.

2. The existence and risks of illegal and counterfeit plant protection products, the methods to identify such products, and the penalties associated with sale or use of illegal plant protection products.

3. The hazards and risks associated with plant protection products, and how to identify and control them, in particular:

   (a) risks to humans (operators, residents, bystanders and people entering treated areas) and how factors such as smoking exacerbate these risks;

   (b) symptoms of plant protection product poisoning and first aid measures;

   (c) risks to non-target plants, beneficial insects, wildlife, biodiversity and the environment in general.

4. Integrated pest management strategies and techniques, integrated crop management strategies and techniques, organic farming principles, harmful organism control methods (biological, physical & cultural controls), information on the general principles and crop-specific rules and rules for integrated pest management.

5. When plant protection products are needed, how to choose the plant protection products with the least side effects on human health, non-target organisms and the environment among all authorised products for a given pest problem, in a given situation.

6. Measures to minimise risks to humans, non-target organisms and the environment, including:

   (a) safe working practices for storing, handling and mixing plant protection products;

   (b) safe working practices for disposing of empty packaging, other contaminated materials and surplus plant protection products (including tank mixes), whether in concentrate or dilute form;

   the recommended way to control operator exposure (personal protection equipment).

7. Procedures for preparing application equipment for operation, including its calibration, with minimum risks to the user, other humans, non-target animal and plant species, biodiversity and the environment, including water resources.

8. Practical training on the use of application equipment and its maintenance, and on risk mitigation measures including specific spraying techniques (e.g. low-volume spraying), use of new technology including precision farming techniques, as well as the technical check of sprayers in use and ways to improve spray quality. Special attention shall be paid to the drift-reduction nozzles and the recommendation made by the manufacturers concerning their optimal conditions of use. Specific risks linked to use of handheld application equipment or knapsack sprayers and the relevant risk management measures. Practical training shall also cover the specific risks linked to the sowing of seeds treated with plant protection products.

9. Emergency action to protect human health, the environment including water resources in case of accidental spillage and contamination and extreme weather events that would result in plant protection products leaching risks.

10. Special care in sensitive areas and protection areas established under Articles 6 and 7 of Directive 2000/60/EC and an awareness of contamination caused by particular plant protection products in their respective region.

11. Health monitoring and access facilities to report on any poisoning incidents or suspected poisoning incidents.

12. Record keeping of the sale, purchase and use of plant protection products, in accordance with the relevant legislation.

13. How to minimise or eliminate applications of certain plant protection products classified as "harmful to aquatic life with long lasting effects", "very toxic to aquatic life with long lasting effects" or "toxic to aquatic life with long lasting effects" pursuant to Regulation 1272/2008 on or along roads, railway lines, very permeable surfaces or other infrastructure close to surface water or groundwater or on sealed surfaces with a high risk of run-off into surface water or sewage systems.

ANNEX V

INSPECTION OF APPLICATION EQUIPMENT

The inspection of application equipment shall cover all aspects important to ensure a high level of safety and protection of human health and the environment. Full effectiveness and safety of the application operation should be ensured by proper performance of any device or apparatus of the equipment to guarantee the following objectives are met.

The application equipment must function reliably and be used only in accordance with its manual of operation[2]for its intended purpose ensuring that plant protection products can be accurately applied in line with good agricultural practice (GAP) as defined in Article 3(2)(a) of Regulation 396/2005 of the European Parliament and the Council[3].

The equipment must be in such a condition to allow it be filled and emptied safely, easily and completely and prevent any leakage of either spray solution or concentrated product. It must permit easy and thorough cleaning. It must also allow for safe operation, and be capable of being immediately stopped from the position of the operator. It must be simple to perform any necessary adjustments. Such adjustments must be accurate and capable of being reproduced.

All equipment necessary for an inspection and used by the inspector for testing the application equipment shall be accurate, in good condition and checked and where necessary calibrated at regular intervals.

Inspections shall be made at a location which avoids risk of pollution and water contamination. The influence of external conditions on the reproducibility of the results of the inspection shall be minimised (e.g. effects of wind, rain).

During inspection, particular attention shall be paid to:

1. Safety

The equipment shall be clean and safe before the inspection starts. Special attention shall be paid to;

- the power take off driveshaft guard and all protective devices for the power take off and other rotating power transmission parts,
- leakage from the hydraulic system and general condition of hydraulic cylinders and pipes,
- safety and functioning of all electrical parts, including solenoid switches ,
- functioning of safety valves,
- condition of structural parts, framework, and booms/nozzle holders
- locking of foldable parts and
- the guarding and condition of the blower (in case of an equipment with air-assistance)

2. Leakage

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2 "Manual of operation" where available, except in the case where the application equipment is no longer manufactured.

3 Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC (OJ L 70, 16.3.2005, p. 1).

Both in stationary and working conditions there shall be no leakage or dripping from any part of the equipment. There shall be no dripping or unintended application after the equipment has been switched off. For equipment to apply liquid products there shall be no leakages from pipes or hoses when running at the maximum obtainable pressure for the system and no liquid shall be applied directly on or to the sprayer itself.

3. Pump (for equipment used to apply liquid products)

The pump capacity shall be suited to the needs of the application equipment and the pump must function properly in order to ensure a stable and reliable application rate.

4. Agitation/mixing (for equipment to apply liquid products)

Agitation devices must ensure a proper recirculation in order to achieve an even concentration of the whole volume of the liquid spray mixture in the tank.

5. Spray liquid tank/hopper

Spray tanks and hoppers including filling level indicators, filling devices, strainers and filters, emptying and rinsing systems and mixing devices shall operate in such a way as to minimise accidental spillage, uneven concentration distribution, operator exposure and residual content.

6. Measuring systems, control and regulation systems

All devices for measuring, switching on and off and adjusting pressure and/or flow rate shall be properly calibrated and work correctly. The controls to be operated during the application operation shall be operable from the operator`s position, the necessary instruments to control the operation shall be present and accurate and the instrument displays shall be readable from the operators position. For equipment to apply liquid products, pressure adjustment devices shall maintain a constant working pressure at constant revolutions of the pump, in order to ensure that a stable volume application rate is applied. Additional equipment to dose/inject plant protection products shall function accurate and correctly.

7. Pipes and hoses

Pipes and hoses shall be in properly functioning condition to avoid disturbance of product flow or accidental spillage in case of failure. Pipes and hoses shall not be kinked, excessively worn or in a position which would allow stretching.

8. Filtering (for equipment to apply liquid products)

In order to avoid turbulence and heterogeneity in spray patterns, filters shall be present and in good condition and the mesh size of the filters shall correspond and be appropriate to the size of nozzles fitted on the sprayer. Where applicable the filter blockage indication system shall operate correctly.

9. Spray boom (for equipment applying plant protection products by means of a horizontally or vertically positioned boom, located close to the crop or the material to be treated).

The boom must be in good condition and stable in all directions. The fixation and adjustment systems and the devices for damping unintended movements and slope compensation must work correctly.

10. Nozzles/outlets (for equipment to distribute liquid products)/ Outlets (for solid products)

Nozzles/outlets must work properly. The flow rate of each individual nozzle/outlet shall not deviate significantly from the data of the flow rate tables provided by the manufacturer.

11. Distribution

Where relevant, the longitudinal, transversal and vertical (in case of applications in vertical crops) distribution of the product in the target area must be even.

12. Blower (for equipment distributing plant protection products by air assistance)

The blower must be in good condition and must ensure a stable and reliable air stream.

13. Cleaning

If present, the rinsing/cleaning systems for emptied containers, e.g. fitted on induction bowls of application equipment, shall work reliably. Moreover, if provided, tank cleaning devices, devices for external cleaning, devices for cleaning of induction hoppers and devices for the internal cleaning of the complete application equipment, shall function.

ANNEX VI

NOTIFICATION FORM

Reason for notification (Please tick)			
New equipment or first registration of used equipment	☐	Removal from use	☐
Change of Ownership	☐	Return to use	☐

Current Owner			
Name:		Unique Personal / Company Identifier:	
Address 1:		(Tax Number)	
Address 2:		Occupation:	
Address 3:		(Farmer, Landscaper, Contractor, other please specify)	
Address 4:			
Country:			

Previous Owner if applicable	
Name:	
Address 1:	
Address 2:	
Address 3:	
Address 4:	
Country:	

Pesticide Application Equipment Type (Please tick most appropriate)							
Boom sprayer		Orchard sprayer		Fogger (cold & hot)		Seed dresser	
Granule applicator		Mist blower		Vapour generator		Vertical sprayer	
Aircraft (winged)		Aircraft (rotor)		Drone		Handheld application equipment	
Other		Please describe:					
Is equipment air assisted?							
Is equipment fitted with GPS controlled nozzle or section shut off?							
Pesticide Application Equipment							
Make:			Model:				
Chassis No.:			Tank/hopper Capacity:				
Manufacture year:			Working width:				
Other information:							

ANNEX VII

METHODOLOGY FOR THE CALCULATION OF HARMONISED RISK INDICATORS

SECTION 1

Harmonised Risk Indicators

The harmonised risk indicators are listed in Sections 2 to 4 of this Annex. These indicators shall be calculated annually.

SECTION 2

Harmonised Risk Indicator 1: Hazard-based Harmonised Risk Indicator based on the quantities of active substances placed on the market in plant protection products under Regulation (EC) No 1107/2009

1. This indicator shall be based on statistics on the quantities of active substances placed on the market in plant protection products under Regulation (EC) No 1107/2009, provided to the Commission (Eurostat) under Annex I (Statistics on the placing on the market of pesticides) of Regulation (EC) No 1185/2009. Those data are categorised into 4 Groups, which are divided into 7 Categories.

2. The following general rules shall apply for the calculation of Harmonised Risk Indicator 1:

   (a) Harmonised Risk Indicator 1 shall be calculated on the basis of the categorisation of active substances into the 4 Groups and 7 Categories set out in Table 1;

   (b) the active substances in Group 1 (categories A and B) shall be those listed in Part D of the Annex to Commission Implementing Regulation (EU) No 540/2011[4];

   (c) the active substances in Group 2 (categories C and D) shall be those listed in Parts A and B of the Annex to Implementing Regulation (EU) No 540/2011;

   (d) the active substances in Group 3 (categories E and F) shall be those listed in Part E of the Annex to Implementing Regulation (EU) No 540/2011;

   (e) the active substances in Group 4 (category G) shall be those not approved under Regulation (EC) No 1107/2009, and therefore not listed in the Annex to Implementing Regulation (EU) No 540/2011;

   (f) the weightings in row (vi) in Table 1 shall apply.

3. Harmonised Risk Indicator 1 shall be calculated by multiplying the annual quantities of active substances placed on the market for each Group in Table 1 by the relevant hazard weighting set out in Row (vi), followed by the aggregation of the results of these calculations.

[4] Commission Implementing Regulation (EU) No 540/2011 of 25 May 2011 implementing Regulation (EC) No 1107/2009 of the European Parliament and of the Council as regards the list of approved active substances (OJ L 153, 11.6.2011, p. 1).

Table 1

Categorisation of active substances and hazard weightings for the purpose of calculating Harmonised Risk Indicator 1

Row	Groups						
	1		**2**		**3**		**4**
(i)	Low-risk active substances which are approved or deemed to be approved under Article 22 of Regulation (EC) No 1107/2009, and which are listed in Part D of the Annex to Implementing Regulation (EU) No 540/2011		Active substances approved or deemed to be approved under Regulation (EC) No 1107/2009, and not falling in other categories, and which are listed in Parts A and B of the Annex to Implementing Regulation (EU) No 540/2011		Active substances that are approved as candidates for substitution in accordance with the criteria in point 4 of Annex II to Regulation (EC) No 1107/2009, which includes active substance that meet the criteria set out in points 3.6.3 to 3.6.5 of that Annex.		Active substances which are not approved under Regulation (EC) No 1107/2009, and therefore which are not listed in the Annex to Implementing Regulation (EU) No 540/2011
(ii)	**Categories**						
(iii)	**A**	**B**	**C**	**D**	**E**	**F**	**G**
(iv)	Non-chemical active substances as defined in point 6 of Article 2	Chemical active substances as defined in point 5 of Article 2	Non-chemical active substances as defined in point 6 of Article 2	Chemical active substances as defined in point 5 of Article 2	Which are not classified as: Carcinogenic Category 1A or 1B and/or Toxic for Reproduction Category 1A or 1B and/or Endocrine disruptors	Which are classified as: Carcinogenic Category 1A or 1B and/or Toxic for Reproduction Category 1A or 1B and/or Endocrine disruptors, where exposure of humans is negligible	
(v)	Hazard Weightings applicable to quantities of active substances placed on the market in products authorised under Regulation (EC) No 1107/2009						
(vi)	**1**		**8**		**16**		**64**

4. The baseline for Harmonised Risk Indicator 1 shall be set at 100, and is equal to the average result of the above calculation for the period 2011-2013.

5. The result of Harmonised Risk Indicator 1 shall be expressed by reference to the baseline.

6. The Member States and the Commission shall calculate and publish the results of Harmonised Risk Indicator 1 in accordance with Article 32 of this Regulation for

each calendar year and at the latest 20 months after the end of the year for which the Harmonised Risk Indicator 1 is being calculated.

SECTION 3

Harmonised Risk Indicator 2: Harmonised Risk Indicator based on the number of authorisations granted under Article 53 of Regulation (EC) No 1107/2009

1. This indicator shall be based on the number of authorisations granted for plant protection products under Article 53 of Regulation (EC) No 1107/2009 as communicated to the Commission in accordance with Article 53(1) of that Regulation. Those data are categorised into 4 Groups, which are divided into 7 Categories.

2. The following general rules shall apply for the calculation of Harmonised Risk Indicator 2:

   (a) Harmonised Risk Indicator 2 shall be based on the number of authorisations granted under Article 53 of Regulation (EC) No 1107/2009. It shall be calculated on the basis of the categorisation of active substances into the 4 Groups and 7 Categories set out in Table 2 of this Section;

   (b) the active substances in Group 1 (categories A and B) are listed in Part D of the Annex to Implementing Regulation (EU) No 540/2011;

   (c) the active substances in Group 2 (categories C and D) are those listed in Parts A and B of the Annex to Implementing Regulation (EU) No 540/2011;

   (d) the active substances in Group 3 (categories E and F) shall be those listed in Part E of the Annex to Implementing Regulation (EU) No 540/2011;

   (e) the active substances in Group 4 (category G) shall be those not approved under Regulation (EC) No 1107/2009, and therefore not listed in the Annex to Implementing Regulation (EU) No 540/2011;

   (f) The weightings in row (iii) in Table 2 of this Section shall apply.

3. Harmonised Risk Indicator 2 shall be calculated by multiplying the number of authorisations granted for plant protection products under Article 53 of Regulation (EC) No 1107/2009 for each Group in Table 2 by the relevant hazard weighting set out in Row (iii), followed by the aggregation of the results of these calculations.

Table 2

Categorisation of active substances and hazard weightings for the purpose of calculating Harmonised Risk Indicator 2

Row	**Groups**			
	1	**2**	**3**	**4**
(i)	Low-risk active substances which are approved or deemed to be approved under Article 22 of Regulation (EC) No	Active substances approved or deemed to be approved under Regulation (EC) No 1107/2009, and not falling in other	Active substances that are approved as candidates for substitution in accordance with the criteria in point 4 of Annex II to Regulation (EC) No 1107/2009, which	Active substances which are not approved under Regulation

	1107/2009, and which are listed in Part D of the Annex to Implementing Regulation (EU) No 540/2011	categories, and which are listed in Parts A and B of the Annex to Implementing Regulation (EU) No 540/2011	includes active substance that meet the criteria set out in points 3.6.3 to 3.6.5 of that Annex.	(EC) No 1107/2009, and therefore which are not listed in the Annex to Implementing Regulation (EU) No 540/2011
(ii)	Hazard Weightings applicable to quantities of active substances placed on the market in products authorised under Regulation (EC) No 1107/2009			
(iii)	**1**	**8**	**16**	**64**

4. The baseline for Harmonised Risk Indicator 2 shall be set at 100, and is equal to the average result of the above calculation for the period 2011-2013.

5. The result of Harmonised Risk Indicator 2 shall be expressed by reference to the baseline.

6. The Member States and the Commission shall calculate and publish the results of Harmonised Risk Indicator 2 for each calendar year and at the latest 20 months after the end of the year for which Harmonised Risk Indicator 2 is being calculated.'

SECTION 4

Harmonised Risk Indicator 2 (a): Harmonised Risk Indicator based on the number of, and areas treated by, authorisations granted under Article 53 of Regulation (EC) No 1107/2009

1. This indicator shall be based on the number of authorisations granted for plant protection products under Article 53 of Regulation (EC) No 1107/2009, and the areas treated under these authorisations, as communicated to the Commission in accordance with Article 53(1) of that Regulation.

2. The following general rules shall apply for the calculation of Harmonised Risk Indicator 2 (a):

   (a) Harmonised Risk Indicator 2 (a) shall be based on the number of authorisations granted under Article 53 of Regulation (EC) No 1107/2009, and the areas treated under these authorisations. It shall be calculated on the basis of the categorisation of active substances into the 4 Groups and 7 Categories set out in Table 3 of this Section;

   (b) the areas treated shall be in hectares;

   (c) the active substances in Group 1 (categories A and B) are listed in Part D of the Annex to Implementing Regulation (EU) No 540/2011;

   (d) the active substances in Group 2 (categories C and D) are those listed in Parts A and B of the Annex to Implementing Regulation (EU) No 540/2011;

   (e) the active substances in Group 3 (categories E and F) shall be those listed in Part E of the Annex to Implementing Regulation (EU) No 540/2011;

(f) the active substances in Group 4 (category G) shall be those not approved under Regulation (EC) No 1107/2009, and therefore not listed in the Annex to Implementing Regulation (EU) No 540/2011;

(g) The weightings in row (iii) in Table 3 of this Section shall apply.

3. Harmonised Risk Indicator 2 (a) shall be calculated by multiplying the number of authorisations granted for plant protection products under Article 53 of Regulation (EC) No 1107/2009 for each Group in Table 3 by the relevant hazard weighting set out in Row (vi), and by the areas treated under these authorisations, followed by the aggregation of the results of these calculations.

Table 3

Categorisation of active substances and hazard weightings for the purpose of calculating Harmonised Risk Indicator 2 (a)

Row	**Groups**			
	1	**2**	**3**	**4**
(i)	Low-risk active substances which are approved or deemed to be approved under Article 22 of Regulation (EC) No 1107/2009, and which are listed in Part D of the Annex to Implementing Regulation (EU) No 540/2011	Active substances approved or deemed to be approved under Regulation (EC) No 1107/2009, and not falling in other categories, and which are listed in Parts A and B of the Annex to Implementing Regulation (EU) No 540/2011	Active substances that are approved as candidates for substitution in accordance with the criteria in point 4 of Annex II to Regulation (EC) No 1107/2009, which includes active substance that meet the criteria set out in points 3.6.3 to 3.6.5 of that Annex.	Active substances which are not approved under Regulation (EC) No 1107/2009, and therefore which are not listed in the Annex to Implementing Regulation (EU) No 540/2011
(ii)	Hazard Weightings applicable to quantities of active substances placed on the market in products authorised under Regulation (EC) No 1107/2009			
(iii)	**1**	**8**	**16**	**64**

4. The baseline for Harmonised Risk Indicator 2 (a) shall be set at 100, and is equal to the average result of the above calculation for the period 2022-2024.

5. The result of Harmonised Risk Indicator 2 (a) shall be expressed by reference to the baseline.

6. The Member States and the Commission shall calculate and publish the results of Harmonised Risk Indicator 2 (a). This shall be done for the first time for the calendar year 2025, and subsequently for each calendar year and at the latest 20 months after the end of the year for which Harmonised Risk Indicator 2 (a) is being calculated.'

ANNEX VIII

CORRELATION TABLE REFERRED TO IN ARTICLE 40(2) OF REGULATION

***Directive* 2009/128/EC**	**This Regulation**
Article 1	Article 1
Article 2	—
Article 3	Article 2
Article 4	Article 7
—	Article 8
—	Article 9
—	Article 10
Article 5	Article 20
Article 6	Article 19
Article 7	Article 21
Article 8	Article 24
—	Article 25
—	Article 26
—	Article 27
—	Article 28
—	Article 29
Article 9	Article 16
Article 10	Article 22(3)(g)
Article 11	Article 15
Article 12	Article 14
Article 13	Article 17
Article 14	Article 11
—	Article 30

—	Article 31
Article 15	Article 32
Article 16	—
Article 17	Article 34
Article 18	—
Article 19	Article 35
Article 20	—
Article 21	Article 37
Article 22	—
Article 23	—
Article 24	Article 39
Article 25	—
Annex I	Annex IV
Annex II	Annex V
Annex III	Annex III
Annex IV	Annex VII