

European and Mediterranean Plant Protection Organization  
 Organisation Européenne et Méditerranéenne pour la Protection des Plantes

## Efficacy evaluation of plant protection products

### Harmonized basic information for databases on plant protection products

#### Specific scope

This standard provides guidance to regulatory authorities and applicants in harmonizing the basic information needed when exchanging information on registered plant protection products.

#### Introduction

The purpose of this harmonized list of basic information for databases on plant protection products is to allow a detailed understanding of registered uses between countries. The points mentioned are not meant to be used as single fields for a database, but as a list of items which may be needed for an exchange of information between authorities of different countries. A detailed description of the use of a plant protection product is not only important for efficacy evaluation, but also as the base for toxicological and ecotoxicological issues.

Numbers 1–13, 15–21, and 25–26 are always needed for a full understanding of a registered use, the other numbers only if relevant.

#### Information on each registered product

1. plant protection product function (herbicide, fungicide, insecticide, acaricide, molluscicide, growth regulator, etc.)
2. name of product
3. name of active substance(s) (a.s.)
4. concentration of a.s. as percentage w/w for solid formulations, as percentage w/w and g L<sup>-1</sup> for liquid or gel formulations, as percentage v/v and percentage w/w for gas formulations, as IU L<sup>-1</sup> for biological control agents
5. formulation type (see FAO/WHO, 2002; Appendix E)
6. registration holder
7. marketing company(ies) with address(es)
8. registration number
9. expiry date of national registration
10. toxicity classification of product (according to a classification system which should be specified)
11. operator protection phrases (according to a coding system which should be specified)
12. honeybee protection claims

#### Specific approval and amendment

Proposed for approval in 2005-09.

13. environmental protection phrases (according to a coding system which should be specified)

14. notes

#### Information on each registered use (crop/target combination) of the product

15. area of use (e.g. outdoor, protected)
16. type of user (e.g. professional, amateur)
17. name of crop(s)/product(s)/object(s) or group of these (with EPPO code) including
  - exception of specific crops/products/objects or group of these
  - restriction to certain uses (e.g. only for seed production, fodder)
18. name of pest(s)/target(s)/aims (e.g. growth regulation of a specific crop as aim, empty store rooms as target) or group of these (including EPPO code) including
  - stages (from – to) of pest (BBCH for weeds, for others according to a specified classification system)
  - exception of specific pests/targets/aims or group of these
19. type of treatment – e.g. seed treatment, band application, fumigation etc., including application technique(s) to be used e.g. special nozzles types, special machinery
20. time(s) of treatment (e.g. autumn or spring, pre- or post-emergence, at sufficient pest density or begin of infection) including restrictions (e.g. not during flowering) and growth stages (from - to) of crop (BBCH Code)
21. maximum dose rate of product per application usually in kg ha<sup>-1</sup>, or L ha<sup>-1</sup>, or g kg<sup>-1</sup> or on a specified number or weight of seeds for seed treatment (see also EPPO Standard PP 1/239 Dose expression of plant protection products)
22. any dose changes according to, for example, crop stages, soil types, pest stages, height of the crop

23. maximum dose rate per crop (for annual crops) or per season (perennial crops such as orchards etc.) for the named crop/pest combination or maximum number of seeds per ha for seed treatments
24. maximum total dose per crop (for annual crops) or per season (perennial crops such as orchards etc.) including applications on all pests/targets on the same crop or maximum number of seeds per ha for seed treatments
25. maximum number of applications used for the named crop/pest combination
26. maximum number of applications in the crop including applications on all pests/targets on the same crop
27. amount of water to be used (minimum and maximum values)

28. minimum and/or maximum intervals in days between treatments
29. pre-harvest interval (days)
30. any necessary mixing partner with detailed information
31. resistance phrases
32. IPM suitability claims
33. other notes on the use
34. other specific restrictions

### References

FAO/WHO (2002) *Manual on Development and Use of FAO and WHO Specifications for Pesticides*. FAO, Rome (IT).