

UPOV/INF/16/10 Draft **42**

Original: English

Date: ~~June 10~~ August 23, 2021

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***to be considered by correspondence***

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**DRAFT  
(Revision)**

**EXCHANGEABLE SOFTWARE***Document prepared by the Office of the Union**to be considered by**the Technical Committee, the Administrative and Legal Committee, and the Council in 2021**Disclaimer: this document does not represent UPOV policies or guidance*

Note for Draft version

~~Strikethrough~~ (highlighted in grey) indicates deletion from the text of document [UPOV/INF/16/9](#)

Underlining (highlighted in grey) indicates insertion to the text of document [UPOV/INF/16/9](#)

## 1. Requirements for exchangeable software

1.1 Members of the Union are invited to offer software for inclusion in this document on the basis that the software will be made available to other members of the Union, subject to any specified conditions (e.g. software to be supplied, but no provision of installation or on-going maintenance etc.).

1.2 Members of the Union may propose software that they, themselves, have not developed, provided that the member of the Union proposing the software has used the software for the function described. In particular, jointly-developed software, freely-available software packages and packages built around commercial software products can be included, provided that intellectual property rights are respected and the relevant information concerning those aspects is covered by the information provided in the column for "Condition for Supply".

1.3 Information on the following should be provided by any member of the Union proposing software for inclusion in document UPOV/INF/16:

Program name  
Programming language  
Function (brief summary)  
Source & contact details  
Category(ies) of use (see Section 3 "Categories of software")

## 2. Procedure for inclusion of software

Software proposed for inclusion in document UPOV/INF/16 by members of the Union is, in the first instance, presented for review by the Technical Working Party on Automation and Computer Programs (TWC). On the basis of such presentations and the experience of members of the Union, the TWC makes a recommendation to the Technical Committee (TC) on whether to include that software in document UPOV/INF/16. In the case of a positive recommendation by the TC and by the Administrative and Legal Committee (CAJ), the software will be listed in a draft of document UPOV/INF/16, to be considered for adoption by the Council. Document UPOV/INF/16 is adopted by the Council.

## 3. Categories of software

To assist users, information on exchangeable software is provided in the following categories:

- (a) Administration of applications
- (b) On-line application systems
- (c) Variety denomination checking
- (d) DUS trial design and data analysis
- (e) Data recording and transfer
- (f) Image analysis
- (g) Biochemical and molecular data.

## 4. Information on use by members of the Union

4.1 A circular is issued to members of the Union on an annual basis, inviting them to provide information on their use of the software included in document UPOV/INF/16.

4.2 The information on software use by members of the Union is indicated in the columns "Member(s) of the Union using the software" and "Application by user(s)". With regard to the indication of "Application by user(s)", members of the Union can indicate, for example, crops or types of crop for which the software is used.

UPOV EXCHANGEABLE SOFTWARE

(a) Administration of applications

| Date added       | Program name | Programming language | Function (brief summary)   | Source & contact details   | Condition for supply      | UPOV member(s) using the software | Application by user(s) |
|------------------|--------------|----------------------|--|--|---------------------------|-----------------------------------|------------------------|
| October 24, 2013 | ZAJVKA       | SQL Windows          | Information on applications (name and address of applicants, proposed denomination, date of application etc) and registration (denomination, date of registration) | Russian Federation: State Commission of the Russian Federation for Selection Achievements Test and Protection, Valentin Sherbina, Chief of IT Department<br>E-mail: <a href="mailto:gossort@gossort.com">gossort@gossort.com</a><br><a href="mailto:gsk@gossortrf.ru">gsk@gossortrf.ru</a> | Only available in Russian | RU                                | all crops              |

(b) On-line application systems

| Date added | Program name | Programming language | Function (brief summary) | Source & contact details | Condition for supply | UPOV member(s) using the software | Application by user(s) |
|------------|--------------|----------------------|--------------------------|--------------------------|----------------------|-----------------------------------|------------------------|
|            |              |                      |                          |                          |                      |                                   |                        |

(c) Variety denomination checking

| Date added | Program name | Programming language | Function (brief summary) | Source & contact details | Condition for supply | UPOV member(s) using the software | Application by user(s) |
|------------|--------------|----------------------|--------------------------|--------------------------|----------------------|-----------------------------------|------------------------|
|            | -            | -                    | -                        | -                        | -                    | -                                 | -                      |

(d) DUS trial design and data analysis

| Date added       | Program name        | Programming language                  | Function (brief summary)  | Source & contact details  | Condition for supply | UPOV member(s) using the software | Application by user(s)  |
|------------------|---------------------|---------------------------------------|---|---|----------------------|-----------------------------------|---|
| October 21, 2010 | DUSTNT              | FORTRAN 90                            | General program for analysis of data from DUS trials. Includes facilities for COY analysis and a wide range of multivariate analysis techniques | United Kingdom:<br>Ms. Sally Watson<br>E-mail: <a href="mailto:sally.watson@afbini.gov.uk">sally.watson@afbini.gov.uk</a>   |                      | GB                                | Herbage, Pea (Field & Veg), Parsnip, Swede, Onion, Brussels Sprout, <b>Carrot and other vegetable species<sup>a</sup></b> , Winter Oilseed Rape, Sugar Beet, Faba Beans, Spring Oilseed Rape, Kale, Linseed |
|                  |                     |                                       |   |   |                      | CZ                                | Oilseed Rape, Grasses and Lucerne   |
|                  |                     |                                       |   |   |                      | EE                                | Grasses and Legumes   |
|                  |                     |                                       |   |   |                      | FI                                | Grasses, Red Clover, White Clover, Turnip Rape, Rye   |
|                  |                     |                                       |   |   |                      | KE                                | Maize   |
|                  |                     |                                       |   |   |                      | NZ                                | Grasses, Brassicas, Wheat, Barley, Garden Peas  |
|                  |                     |                                       |   |   |                      | VN                                | Maize, Flowers, Rice, Tomato, Potato, Soybean, Vegetables, and other species  |
|                  | <b>SK</b>           | <b>Grasses, clovers, oilseed rape</b> |   |   |                      |                                   |   |
| October 21, 2010 | GAIA                | Windev                                | Computes comparisons of varieties for management of reference collections   | France:<br>E-mail: <a href="mailto:christelle.lavaud@geves.fr">christelle.lavaud@geves.fr</a>   |                      | FR                                | Sorghum, Sugar Beet, Maize, Wheat, Barley, Oats, Rapeseed, Sunflower, Triticale, Pea  |
|                  |                     |                                       |   |   |                      | BR                                | Soybean, Wheat  |
|                  |                     |                                       |   |   |                      | CZ                                | Maize, Wheat, Barley, Oats, and Pea   |
|                  |                     |                                       |   |   |                      | HR                                | Barley, Maize, Soybean, Wheat   |
|                  |                     |                                       |   |   |                      | UY                                | All species   |
| October 25, 2020 | Off-type Calculator | Excel                                 | Calculates maximum allowable numbers of off-types for one- and two-cycle tests, along with associated statistical risks                         | United Kingdom:<br>Mr. Adrian Roberts<br>E-mail: <a href="mailto:a.roberts@bioss.ac.uk">a.roberts@bioss.ac.uk</a><br>and<br><a href="https://www.upov.int/edocs/mdocs/upov/en/twc_37/twc_37_5_annex_ii.xlsx">https://www.upov.int/edocs/mdocs/upov/en/twc_37/twc_37_5_annex_ii.xlsx</a> |                      | GB                                | All species   |

(e) Data recording and transfer

| Date added       | Program name | Programming language | Function (brief summary)        | Source & contact details  | Condition for supply | UPOV member(s) using the software | Application by user(s)  |
|------------------|--------------|----------------------|---------------------------------|---|----------------------|-----------------------------------|---|
| October 21, 2010 | SIRIUS       | Windev               | Hand-Held Data Capture Software | France:<br>E-mail: <a href="mailto:christelle.lavaud@geves.fr">christelle.lavaud@geves.fr</a> |                      | FR                                | Sorghum, Sugar Beet, Maize, Wheat, Barley, Oats, Rapeseed, Sunflower, Triticale, Pea, Herbage |

(f) Image analysis

| Date added       | Program name | Programming language | Function (brief summary)  | Source & contact details  | Condition for supply | UPOV member(s) using the software | Application by user(s)   |
|------------------|--------------|----------------------|---------------------------|---|----------------------|-----------------------------------|--|
| October 24, 2013 | AIM          | Windows              | Image processing software | France:<br>E-mail: <a href="mailto:christelle.lavaud@geves.fr">christelle.lavaud@geves.fr</a> |                      | FR                                | Rapeseed, Sunflower, Hydrangea, Flax, Peas, Carrot, Maize, Winter wheat, Orchids |

(g) Biochemical and molecular data

| Date added | Program name | Programming language | Function (brief summary) | Source & contact details | Condition for supply | UPOV member(s) using the software | Application by user(s) |
|------------|--------------|----------------------|--------------------------|--------------------------|----------------------|-----------------------------------|------------------------|
|            | -            | -                    | -                        | -                        | -                    | -                                 | -                      |

[End of document]

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<sup>a</sup> On July 13, 2021, the United Kingdom requested to include "Carrot and other vegetable species".