Animal & Plant Health Agency

The Animal and Plant Health Agency
Scottish Government
Welsh Government
Department of Agriculture and Rural Development

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Ref. AFP 35 /

GM Yes ☐ No ☐

Other Restrictions Yes ☐ No ☐

Technical Questionnaire (RAPE)

Plant Varieties Act 1997 and
The Seeds (National Lists of Varieties) Regulations 2001 (as amended)

Please note:

- The completed TQ and the application will form part of the public record for this variety
- The seed submitted for DUS in the first year will be regarded as the definitive stock
- All relative sections of this form **must** be completed. An incomplete form may result in a delay in processing the application
- Completed forms should be e-mailed to NLPBR-Applications@apha.gsi.gov.uk
- Alternatively forms may be sent to:

The Animal and Plant Health Agency, Eastbrook, Shaftesbury Road, Cambridge, CB2 8DR
Telephone 0208 026 5993.

Section 1 - Application details

(a) **National Listing (NL)** ☐ **Plant Breeders' Rights (PBR)** ☐ **Parental Line** ☐

(b) Species: Latin name ***Brassica napus* L. emend. Metzg**

(c) Common name (incl. season)

(d) Please give details of applications already made or to be made in any other countries

Country	Date	Application No.	NL	PBR	Variety name or Breeders' reference

(e) Has an application for European Community Plant Breeders' Rights (ECPBR) been made?.....Yes ☐ No ☐

If '**Yes**', Please state date of application

Section 2 – Applicant details

(a) Name and address of applicant for

- National Listing:
- Plant Breeders' Rights (if different)

Name and address of breeder:

Name and address for correspondence:
Is the address for:

- service ☐ or
- agent ☐

An agent is authorised to act for the applicant on all aspects of an application, including instructions to withdraw applications, delete from a National List or surrender Plant Breeders' Rights

Section 3 - Variety denomination

(a) Where appropriate proposal for a variety denomination

(b) Provisional designation (breeder's name/reference)

Section 4 - **Information on origin, maintenance and reproduction of the variety**

In case of hybrids, please indicate the formula and answer 5.1 to 5.5 also for each component of the hybrid

4.1 Do you wish the details and data relating to components of hybrid varieties including data related to their cultivation to be treated as confidential? Yes ☐ No ☐

If 'yes', please give this information on the separate form for confidential information.

If 'no', please give information on data relating to the components of hybrid varieties including data related to their cultivation.

Breeding scheme (indicate female component first)

4.2 Type of material

(a) Line — Use (only for male fertile line)

Male fertile line ☐ ☐ as component ☐ as commercial variety

Male sterile line ☐

b) Hybrid — Hybrid Breeding Scheme Used

Male sterile hybrid ☐ MSL ☐

Male fertile hybrid ☐ OGURA ☐

Self incompatible hybrid ☐ Other (Give details)

(c) Other (please indicate)

4.3 Formula (if applicable, for each component in separate sheets, the information according to the following Sections 5 to 7 to be added)

Single hybrid

Denomination or breeder's reference of female parental line

Denomination or breeder's reference of male parental line

Three-way hybrid

Denomination or breeder's reference of:

Single hybrid used

Female parental line of the single hybrid

Male parental line of the single hybrid

Female parental of the three-way hybrid

Male parental line of the three-way hybrid

NB In case of the male lines sterility system, indicate the name of the maintainer line of the female parental line

In case of the MSL system, indicate the name of the 'Grandmother' line used to produce the female parent

In case of the use of self-incompatibility system indicate, if applicable, the name of the self-compatible lines

4.4 Origin

(a) Seedling (indicate parent varieties) ☐

(b) Mutation (indicate parent variety) ☐

(c) Discovery (indicate where, when and how the variety has been developed) ☐

(d) Other (please specify) ☐

4.5 Method of propagation

(a) Cuttings ☐

(b) *In vitro* propagation ☐

(c) Seed ☐

(d) Other (please specify) ☐

4.6 Other information

In the case of seed propagated varieties: method of production:

(a) Self-pollinated ☐

(b) Cross-pollinated (please give details) ☐

(c) Hybrid (please give details) ☐

4.7 Managing the risk of adventitious GM presence

(a) The region and the country in which the variety was bred or discovered and developed

(b) Country of origin of the seed of the candidate variety

(c) Are you currently a participant in the voluntary AGMP risk audit programme run by the GM Inspectorate for England on behalf of Defra? Yes ☐ No ☐

If **'No'** please provide an assessment of your company's quality assurance measures with respect to adventitious GM presence in conventional seed

Section 5 – Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in the CPVO Protocol; please mark the state of expression which best corresponds).

Characteristic	Example varieties	Note	
5.1 (1) Seed: erucic acid			
Absent	Cadoma, Express	1	☐
Present	Rabelais, Zeruca	9	☐
5.2 (6) Leaf: lobes			
Absent	Cadida, Akela	1	☐
Present	Dorothy, Express	9	☐

5.3 (9) Time of flowering
(quote mean date of flowering of variety as well as two well known comparable varieties)

Candidate variety	Comparable varieties	

5.4 (15) Plant: length including side branches
(quote length of variety as well as two well known comparable varieties)

Candidate variety	Comparable varieties	

5.5 Is the candidate a semi-dwarf variety?
NB A semi-dwarf variety is defined as one which has the OGU/INRA gene or other defined specified events.

Yes ☐ No ☐

Section 6 – Similar varieties and differences from these varieties:

Denomination of similar variety	Characteristic in which the similar variety is different[1]	State of expression of similar variety	State of expression of candidate variety

[1] In the case of identical states of expression of both varieties, please indicate the size of the difference.

Section 7 – Additional information which may help to distinguish the variety

7.1 Special conditions for the examination of the variety

(a) Group

Spring oilseed rape ☐
Winter oilseed rape ☐
Spring forage rape ☐
Winter forage rape ☐

(b) Group

Low glucosinolate content ☐
High glucosinolate content ☐

(c) Other conditions

☐ Yes, please specify

☐ No

If it is agreed to carry out a special DUS test an appropriate charge will be levied

7.2 Resistance to pests and diseases

7.3 Other information

☐ Yes, please specify

☐ No

Section 8 - GMO and other Novel types

Does this application relate to a Genetically Modified Organism as defined in Section 106 of the Environmental Protection Act 1990? Yes ☐ No ☐

If "Yes" you must complete form PVS9/B Genetically Modified and other Novel Candidates.

Section 9 - Information on plant material to be examined

9.1 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides).

9.2 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the National Authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:

(a) Micro-organisms (eg virus, bacteria, phytoplasma) Yes ☐ No ☐

(b) Chemical treatment (eg growth retardant or pesticide) Yes ☐ No ☐

(c) Tissue culture Yes ☐ No ☐

(d) Other factors Yes ☐ No ☐

Please provide details of where you have indicated "Yes"

Section 10 - Value for Cultivation and use (VCU) information (for NL purposes only)

10.1 Standard VCU characters and agreed optional characters

The obligatory VCU characters measured for all candidates are shown in bold in the VCU procedures at https://www.gov.uk/guidance/vcu-protocols-and-procedures-for-testing-agricultural-crops, or are available from the Animal and Plant Health Agency (APHA). Agreed procedures exist for some optional characters (shown in italics in the VCU procedures). If you wish any of these to be assessed, you must request that they be measured. Additional fees will be charged by the trial organiser.

Do you wish any optional characters to be measured? Yes ☐ No ☐

If **'Yes'** please give details

10.2 Additional VCU characters

Are there any non-standard characters to be measured? Yes ☐ No ☐

If **'Yes'** please provide details of the proposed test to APHA. The characteristic being tested for must have Value for Cultivation and Use. The test must be able to demonstrate whether the candidate has the characteristic and be statistically valid. The agreement of the UK National Authorities is required before special tests can be undertaken and additional fees will be charged.

10.3 Other factors for VCU assessment

Are there any other factors that should be taken into account for the VCU assessment (eg resistance to IMAZAMOX or other herbicides, susceptibility to commercial herbicides, special uses, agronomic characteristics, pest/disease resistance)?

Yes ☐ No ☐

If **'Yes'** please give details

Declaration

I/We declare that to the best of my/our knowledge and belief the statements made in this Technical Questionnaire are correct

Signature of Applicant | Date

(original signature unless emailed)

Name in BLOCK letters | Lock this form

For and on behalf of