



Official Use Only		
Ref.	AFP	<input style="width: 30px; height: 20px;" type="text" value="19"/> / <input style="width: 30px; height: 20px;" type="text"/>
GM	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Other Restrictions	Yes <input type="checkbox"/>	No <input type="checkbox"/>

# Technical Questionnaire (LETTUCE)

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](mailto: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 (PL)

(b) Species: Latin name **Lactuca sativa L.**

(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)

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

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**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)

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**4.2 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)

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**4.3 Method of propagation**

(a) Cuttings

(b) *In vitro* propagation

(c) Seed

(d) Other (please specify)

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**4.4 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)

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**4.5 Geographical origin of the variety:** the region and the country in which the variety was bred or discovered and developed

**Section 5 - Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in the UPOV Test Guideline; please mark the state of expression which best corresponds).**

Characteristic	Example varieties	Note
<b>5.1 Seed: colour (1)</b>		
White	Verpia	1 <input type="checkbox"/>
Yellow	Durango	2 <input type="checkbox"/>
Black	Kagraner Sommer	3 <input type="checkbox"/>
<b>5.2 Leaf: hue of green colour of outer leaves (16)</b>		
Absent	Donatello, Verpia	1 <input type="checkbox"/>
Yellowish	Dorée de printemps	2 <input type="checkbox"/>
Greyish	Celtuce, Du bon jardinier	3 <input type="checkbox"/>
Reddish	Lollo rossa, Revolution, Rosa	4 <input type="checkbox"/>
<b>5.3 Leaf: Anthocyanin colouration (18)</b>		
Absent	Fiorella, Sunrise	1 <input type="checkbox"/>
Present	Commodore, Pirat	2 <input type="checkbox"/>
<b>5.4 Time of beginning of bolting under long day conditions (33)</b>		
Very early	Blonde à couper améliorée	1 <input type="checkbox"/>
Early	Gotte à graine blanche	3 <input type="checkbox"/>
Medium	Carelia	5 <input type="checkbox"/>
Late	Hilde II	7 <input type="checkbox"/>
Very late	Erika, Kinemontepas, Rex	9 <input type="checkbox"/>
<b>5.5 Resistance to downy mildew (<i>Bremia lactucae</i>), Isolate BI:16 (37.7)</b>		
Absent	Cobham Green, Hilde II	1 <input type="checkbox"/>
Present	Argelès, Ninja	9 <input type="checkbox"/>
<b>5.6 Growth type at harvest maturity</b>		
Butterhead lettuce	Clario, Merveille des quatre saisons, Verpia	1 <input type="checkbox"/>
Crisp lettuce	Blonde de Paris (Batavia), Calmar, Saladin (Iceberg)	2 <input type="checkbox"/>
Cos lettuce (Roman lettuce)	Blonde maraîchère (Roman types)	3 <input type="checkbox"/>
“Grasse” or Latin lettuce	Bibb, Sucrine	4 <input type="checkbox"/>
Cutting or Gathering lettuce	Frisée d’Amérique, Lollo rossa, Oakleaf, Salad Bowl	5 <input type="checkbox"/>
Stem lettuce	Celtuce	6 <input type="checkbox"/>

**Section 6 – Similar varieties and differences from these varieties:**

Denomination of similar variety	Characteristic in which the similar variety is different <sup>1</sup>	State of expression of similar variety	State of expression of candidate variety

<sup>1</sup> 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 Resistance to pests and diseases**

	Absent	Present	Not tested
<b>i) Resistance to Downy Mildew (<i>Bremia lactucae</i>)</b>			
a) Isolate BI: 2 (char. 39.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Isolate BI: 5 (char. 39.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Isolate BI: 7 (char. 39.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Isolate BI: 12 (char. 39.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Isolate BI: 14 (char. 39.5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Isolate BI: 15 (char. 39.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Isolate BI: 17 (char. 39.8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h) Isolate BI: 18(char. 39.9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i) Isolate BI: 20 (char. 39.10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j) Isolate BI: 21 (char. 39.11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k) Isolate BI: 22 (char. 39.12)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l) Isolate BI: 23 (char. 39.13)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m) Isolate BI: 24 (char. 39.14)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n) Isolate BI: 25 (char. 39.15)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o) Isolate BI: 26 (char. 39.16)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p) Isolate BI: 27 (char. 39.17)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ii) Resistance to Lettuce Mosaic Virus (LMV)</b>			
Strain LS-1 (char. 40)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>iii) Resistance to <i>Nasonovia ribisnigri</i> biotype Nr: 0</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>iv)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**7.2 Special conditions for the examination of the variety**

Yes, please specify

No

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

**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 competent 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 <input type="checkbox"/>	No <input type="checkbox"/>
(b) Chemical treatment (eg growth retardant or pesticide)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
(c) Tissue culture	Yes <input type="checkbox"/>	No <input type="checkbox"/>
(d) Other factors	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Please provide details of where you have indicated "Yes"

**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

For and on behalf of