

## Technical questionnaire

**kiwifruit**

**CPVO/TQ-098/2**

*Mandatory fields or sections are marked with an asterisk (\*)*

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**01 . Botanical taxon: name of the genus, species or sub-species to which the variety belongs:**

Actinidia Lindl.

*Actinidia arguta* (Siebold & Zucc.) Planch. ex Miq.

*Actinidia arguta* (Siebold & Zucc.) Planch. ex Miq. × *A. deliciosa* (A. Chev.) C. F. Liang & A. R. Ferguson

*Actinidia chinensis* Planch.

*Actinidia chinensis* Planch. × *A. deliciosa* (A. Chev.) C. F. Liang & A. R. Ferguson

*Actinidia chinensis* Planch. × *A. eriantha* Benth.

*Actinidia deliciosa* (A. Chev.) C. F. Liang & A. R. Ferguson

*Actinidia kolomikta* (Maxim. & Rupr.) Maxim.

*Actinidia* × *fairchildii* Rehder

Other (please specify)

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**02 . Application code:**

For office use only

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**03 . Breeder's reference:**

Breeder Ref.

**04 . Information on the breeding scheme and propagation of the variety \*****04 . 01 . Breeding scheme \****(this question could be confidential)*

crossing

mutation

discovery

Please state where and when discovered and how the variety has been developed

other origin

Please provide details

**04 . 01.01 . Crossing \****(this question could be confidential)*

controlled cross

Indicate denomination and species of the parent varieties

partially known cross

Indicate denomination and species of the known parent variety(ies)

unknown cross

**04 . 01.02 . In case of mutation, please fill in the table below: \****(this question could be confidential)*

Denomination of the parent variety	Characteristic(s) in which your candidate variety differs from the parent variety	Describe the expression of the characteristic(s) for the parent variety	Describe the expression of the characteristic(s) for your candidate variety



**04 . 02 . Method of propagation of the variety \***

cuttings

in vitro propagation

grafting

Indicate rootstock

other

Please specify

**04 . 03 . Pollenizer (for female and fruit setting hermaphroditic varieties only)**

Male pollenizers suitable for the candidate variety are the following varieties:

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**05 . Characteristics of the variety to be indicated \***

(the number in brackets refers to the corresponding characteristic in the CPVO Technical Protocol; please mark the state of expression which best corresponds)

**05 . 01 . Time of beginning of flowering (for all varieties) (75) \***

1 - very early

2 - very early to early

3 - early

Hort16A (A), Yukimusume (B)

4 - early to medium

5 - medium

Abbott (A), Kousui (B)

6 - medium to late

7 - late

Hayward (A)

8 - late to very late

9 - very late



**05 . 02 . Fruit: weight (for female and hermaphrodite varieties) (46) \***

1 - very low	
2 - very low to low	
3 - low	Huaguang2 (A)
4 - low to medium	
5 - medium	Hort16A (A), Hortgem Tahī (B), Tomua (A)
6 - medium to high	
7 - high	Hayward (A), Jin Feng (A)
8 - high to very high	
9 - very high	Jade Moon (A)

**05 . 02 . Fruit: weight (for female and hermaphrodite varieties) (46)**

1 - very low	
2 - very low to low	
3 - low	Huaguang2 (A)
4 - low to medium	
5 - medium	Hort16A (A), Hortgem Tahī (B), Tomua (A)
6 - medium to high	
7 - high	Hayward (A), Jin Feng (A)
8 - high to very high	
9 - very high	Jade Moon (A)

**05 . 03 . Fruit: shape (for female and hermaphrodite varieties) (50)**

1 - ovate	Hort16A (A), Jecy Gold (A), Yamagatamusume (B)
2 - oblong	Hortgem Toru (B), Wilkins Super (A)
3 - elliptic	Hayward (A), Mitsukou (B)
4 - circular	Hort51-1785 (A)
5 - oblate	Kuimi (A), Shinzan (B)
6 - obovate	Monty (A)



**05 . 04 . Fruit: stylar end (for female and hermaphrodite) (52)**

1 - strongly depressed	
2 - weakly depressed	Jade Moon (A)
3 - flat	Hayward (A), Satoizumi (B)
4 - rounded	Kousui (B), Tomua (A)
5 - weakly blunt protruding	Skelton (A)
6 - strongly blunt protruding	Hort16A (A)
7 - pointed protrusion	Hortgem Toru (B)

**05 . 05 . Fruit: hairiness of skin (for female and hermaphrodite varieties) (59)**

1 - absent	Shinzan (B), Shouwa (B)
9 - present	Hayward (A)

**05 . 06 . Fruit: colour of outer pericarp (for female and hermaphrodite varieties) (65)**

1 - light green	Shinzan (B)
2 - medium green	Hayward (A)
3 - dark green	Hortgem Toru (B)
4 - greenish yellow	Hort22D (A), Satoizumi (B)
5 - medium yellow	Hort16A (A), Kousui (B)
6 - dark yellow	Hort51-1785 (A)
7 - yellowish orange	
8 - orange	
9 - red	
10 - red purple	

**05 . 07 . Fruit: colour of locules (for female and hermaphrodite varieties) (66)**

1 - light green	Shinzan (B)
2 - medium green	Hayward (A), Hortgem Tahī (B)
3 - dark green	Hortgem Toru (B)
4 - greenish yellow	Satoizumi (B)
5 - medium yellow	Hort16A (A), Kousui (B)
6 - dark yellow	Hort51-1785 (A)
7 - red	Hort22D (A), Hortgem Rua (B)
8 - red purple	



**05 . 08 . Time of maturity for harvest (for female and hermaphrodite varieties) (76)**

1 - very early	Hortgem Rua (B)
2 - very early to early	
3 - early	Hort 22D (A), Hortgem Tahi (B), Yamagatamusume (B)
4 - early to medium	
5 - medium	Kousui (B), Tomua (A)
6 - medium to late	
7 - late	Hayward (A), Yukimusume (B)
8 - late to very late	
9 - very late	

**06 . Similar varieties and differences from these varieties**

Please note that information on similar varieties may help to identify comparable varieties and can avoid an additional period of testing.

**06 . 01 . Are there any similar varieties known? \***

Yes

No

**06 . 02 . Similar varieties and differences from these varieties: \***

Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the similar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety

**07 . Additional information which may help to distinguish the variety \*****07 . 01 . Resistance to pests and diseases \***

Yes, specify

No



**07 . 02 . In addition to the information provided in sections 05 and 06, are there any additional characteristics which may help to distinguish the variety? \***

Yes, specify

No

**07 . 03 . Are there any special conditions for growing the variety or conducting the examination? \***

**07 . 03.01 . Plant: ploidy \***

2 - diploid

Hort16A (A), Kousui (B)

3 - triploid

4 - tetraploid

Hortgem Tahi (B), Kaimutu(A)

5 - pentaploid

Shinzan (B)

6 - hexaploid

Hayward (A), Mitukou (B)

8 - octoploid

**07 . 03.02 . Are there any special conditions for growing the variety or conducting the examination? \***

Yes, specify

No

**07 . 04 . Other information \***

Yes, specify

No

**07 . 05 . Photo \***

A representative colour photo of the variety must be **added** to the technical questionnaire.



**08 . GMO-information \*****08 . 01 . GMO-information required \***

The variety represents a Genetically Modified Organism within the meaning of Article 2(2) of Council Directive EC/2001/18 of 12/03/2001.

Yes

If yes, please attach in point 08.02 a copy of the written attestation of the responsible authorities stating that a technical examination of the variety under Articles 55 and 56 of the Basic Regulation does not pose risks to the environment according to the norms of the above-mentioned Directive.

No

**08 . 02 . In case of GMO, joint attestation of the responsible authorities stating that a technical examination of the variety under Articles 55 and 56 of the Basic Regulation does not pose risks to the environment according to the norms of the above-mentioned Directive.**

**09 . Information on plant material to be examined \***

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), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc. Consequently the plant material to be examined 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:

**09 . 01 . Micro-organisms (e.g. virus, bacteria, phytoplasma) \***

Yes, specify

No

**09 . 02 . Chemical treatment (e.g. growth retardant or pesticide) \***

Yes, specify

No

**09 . 03 . Tissue culture \***

Yes, specify

No





**09 . 04 . Other factors \***

Yes, specify

No

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**10 . Possible place of the technical examination**

In case the CPVO needs to arrange a technical examination for this candidate variety, there might be more than one examination office entrusted by the CPVO suitable to grow your variety. In this case, the Office will decide on the place of the technical examination but you might wish to express here a preference in respect of an examination office. The available entrusted examination offices for that species can be found in the S3 Gazette under:<http://cpvo.europa.eu/en/applications-and-examinations/technical-examinations/entrusted-examination-offices>  
You will also find in the S2 Gazette further information about submission of plant material and deadlines for numerous major species:<http://cpvo.europa.eu/en/applications-and-examinations/technical-examinations/submission-of-plant-material-s2-publication>

**10 . 01 . Country where the examination could take place**

Country

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**Attached document(s)**

The following forms or documents are attached to this application : please tick the relevant boxes

Other confidential documents

Photo

Remark



**DECLARATIONS \***

I/we hereby declare that to the best of my/our knowledge the information given in this form is complete and correct.

Place

Date

Name

Signature

