

**Euphorbia**  
**Simplified standard protocol: SSP/EUP/1**

|   |  |         |
|---|--|---------|
| Examination office  | Naktuinbouw  |         |
| Reference of the protocol                                   | SSP/EUP/1  |         |
| Date of preparation of the protocol                         | 01/09/2023   |         |
| Date of entry into force of the protocol                    | 23/12/2021   |         |
| Botanical taxon:  | Euphorbia L.<br>Euphorbia amygdaloides L.<br>Euphorbia characias L. x E. dulcis L.<br>Euphorbia amygdaloides L. x E. characias   |         |
| Common Name (when known):                                   | Spurges  |         |
| Way of propagation of the plants to be examined             | Self or cross pollinated seed propagated <input type="checkbox"/><br>Vegetatively propagated <input checked="" type="checkbox"/> |         |
| Number of growing cycles:                                   | 1 <input type="checkbox"/><br>2 <input checked="" type="checkbox"/><br>Other <input type="checkbox"/>                            |         |
| List of grouping characteristics                            | Yes <input type="checkbox"/> if yes put as annex<br>No <input checked="" type="checkbox"/>                                       |         |
| Minimum number of plants in trial                           | Vegetative: 20   | Seed: - |
| Minimum number of plants observed by measuring or counting: | Vegetative: 1  | Seed: - |
| Give description of when observations should take place     | see: EXPLANATIONS ON THE TABLE OF CHARACTERISTICS  |         |

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|---|---|
| <p>Uniformity:</p> <ul style="list-style-type: none"> <li>- For the assessment of uniformity of vegetatively propagated, self-pollinated seed propagated varieties or F1-hybrids, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 24 plants, 1 off-types are allowed.</li> <li>- For the assessment of uniformity for cross-pollinated varieties, the recommendations for cross-pollinated varieties in the General introduction of UPOV should be applied. The variability within the variety should not exceed the variability of comparable varieties already known.</li> </ul> |   |
| Table of characteristics  | Present <input checked="" type="checkbox"/><br>Not available <input type="checkbox"/> |
| Literature<br>(when present, please annex to this document)   | Present <input checked="" type="checkbox"/><br>Absent <input type="checkbox"/>        |

**TABLE OF CHARACTERISTICS**

| <b>N°</b> | <b>Stage</b> | <b>Characteristics</b>   |
|-----------|--------------|--|
| 1.        | (a)          | Plant: growth habit  |
| 2.        | (a)          | Plant: height  |
| 3.        | (a)          | Plant: width   |
| 4.        | (a)          | Stem: color  |
| 5.        | (a)          | Stem: intensity of anthocyanin coloration  |
| 6.        | (a)          | Stem: number of leaves   |
| 7.        | (a)          | Leaf: attitude   |
| 8.        | (a)          | Leaf: length   |
| 9.        | (a)          | Leaf: width  |
| 10.       | (a)          | Leaf: shape  |
| 11.       | (a)          | Leaf: shape of apex  |
| 12.       | (a)          | Young leaf: main color of upper side<br>RHS Colour Chart (indicate reference number) |
| 13.       | (a)          | Young leaf: variegation  |
| 14.       | (a)          | Young leaf: color of variegation<br>RHS Colour Chart (indicate reference number)     |
| 15.       | (a)          | Young leaf: intensity of anthocyanin coloration of upper side                        |
| 16.       | (a)          | Young leaf: intensity of anthocyanin coloration of lower side                        |
| 17.       | (a)          | Leaf: main color of upper side<br>RHS Colour Chart (indicate reference number)       |
| 18.       | (a)          | Leaf: variegation  |
| 19.       | (a)          | Leaf: color of variegation<br>RHS Colour Chart (indicate reference number)           |
| 20.       | (a)          | Leaf: intensity of anthocyanin coloration of upper side                              |
| 21.       | (a)          | Leaf: intensity of anthocyanin coloration of lower side                              |
| 22.       | (b)          | Axillary cyme: length of primary peduncle  |
| 23.       | (b)          | Axillary cyme: length of secondary peduncle  |
| 24.       | (b)          | Axillary cyme: intensity of anthocyanin coloration                                   |
| 25.       | (b)          | Terminal flower cluster: height  |
| 26.       | (b)          | Terminal flower cluster: diameter  |

| <b>N°</b>  | <b>Stage</b>    | <b>Characteristics</b>  |
|------------|-----------------|---|
| <b>27.</b> | <b>(b)</b>      | Terminal flower cluster: number of cymes  |
| <b>28.</b> | <b>(b), (c)</b> | Primary cyathium: diameter  |
| <b>29.</b> | <b>(b), (c)</b> | Secondary cyathium: diameter  |
| <b>30.</b> | <b>(b), (c)</b> | Cyathophyll: main color of upper side<br>RHS Colour Chart (indicate reference number) |
| <b>31.</b> | <b>(b), (c)</b> | Cyathophyll : variegation   |
| <b>32.</b> | <b>(b), (c)</b> | Cyathophyll: color of variegation<br>RHS Colour Chart (indicate reference number)     |
| <b>33.</b> | <b>(b), (c)</b> | Gland: color just before opening<br>RHS Colour Chart (indicate reference number)      |
| <b>34.</b> | <b>(b), (c)</b> | Gland: color<br>RHS Colour Chart (indicate reference number)                          |
| <b>35.</b> | <b>(b), (c)</b> | Female flower: color of ovary   |
| <b>36.</b> | <b>(b), (c)</b> | Female flower: color of style   |
| <b>37.</b> | <b>(b), (c)</b> | Female flower: pubescence   |

## **EXPLANATIONS ON THE TABLE OF CHARACTERISTICS**

### **Explanations covering several characteristics**

- (a) Observations should be made at full growing
- (b) Observations should be made at full flowering
- (c) Observations should be made on the secondary cyathium

## **LITERATURE**

The Cambridge Illustrated Glossary of Botanical Terms: by Michael Hickey and Clive King

Name that flower: by Ian Clarke and Heleen Lee

Botanisch woordenboek: by Henk Eggelte

RHS Wisley Handbook: Euphorbias: by Timothy Walker

Dictionary of Gardening: Royal Horticultural Society