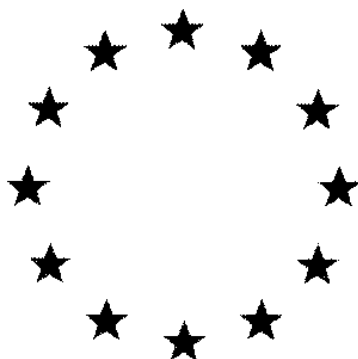


European Commission



**Draft (Renewal) Assessment Report prepared
according to the Commission Regulation (EC) No
1107/2009**

**Daminozide (ISO); 4-(2,2-
dimethylhydrazino)-4-oxobutanoic
acid; *N*-dimethylaminosuccinamic
acid**

Volume 3 – B.3 (PPP) – Dazide Enhance

Rapporteur Member State: Czech Republic
Co-Rapporteur Member State: Hungary

Version history page

Date	Version	Reason for revision
May, 2016	Version 1	First draft
October, 2018	Version 2	Notifier's comments
June, 2019	Version 3	Update following the ECHA accordance check

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B.3 Data on application and efficacy

This Renewal Assessment Report has been drafted by the Rapporteur Member State based on the information submitted by the applicant in their submission of Document M-CP, Section 3.

Efficacy information is required for active substance renewal and has been provided by the applicant in line with the Guidance Document on the renewal of approval of active substances to be assessed in compliance with Regulation (EU) No 844/2012 (SANCO/2012/11251). The RMS considers that the efficacy related requirements have been satisfactorily addressed.

B.3.1 Field of use envisaged

Dazide Enhance is a water soluble granule (SG) formulation containing 85% w/w daminozide (ISO); 4-(2,2-dimethylhydrazino)-4-oxobutanoic acid; N-dimethylaminosuccinamic acid ('hereafter referred to as 'daminozide') as active substance. The applicant has stated that the product is used as a plant growth regulator for indoor and outdoor use on ornamentals.

B.3.2 Effects on harmful organisms

Daminozide is a plant growth regulator reducing internode length and promoting flower production in a range of nursery ornamental crops. The effects of daminozide are not only reducing internode length and thus producing compact and robust plants, but also darkening foliage and additional bud set according to the labels.

For the specific crops, the following effects are claimed:

Pot chrysanthemums: produces well-branched compact plants, darker green foliage; stronger stems with shorter internodes; more resistant to shipping damage; better shelf life at point of sale

Spray chrysanthemums: prevent weak necks and elongated stems; better bloom quality, lasts longer

Standard chrysanthemums: stronger stems; reduces neck length

Bedding plants: reduces 'legginess'; better shelf life, more reliable transplanting; more compact plants which flower well; extends pricking out, spreads workload; more uniform plants

Azaleas: produces compact plants; promotes additional bud set for flowers; prevents by-passing of buds; enhances colour of foliage

Hydrangeas: controls forced growth; shortens internodes for more compact plants; produces darker green foliage

Pointsettias: produces sturdy plant with short internodes; more uniform plant height; improved colour of foliage.

B.3.3 Details of intended use

PPP (product name/code) **DAZIDE ENHANCE**
 active substance 1 **Daminozide**
 active substance 2 **Not applicable**
 active substance **Not applicable**

Formulation type: **SG**
 Conc. of as 1: **850 g/kg**
 Conc. of as 2: **Not applicable**
 Conc. of as: **-**

safener **None**
 synergist **None**

Conc. of safener: **Not applicable**
 Conc. of synergist: **Not applicable**

Applicant: **Fine Agrochemicals Limited**

professional use ☒
 non professional use ☐

Verified by MS: **Y/N**

1	2	3	4	5	6	7	8	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation (crop destination / purpose of crop)	F G or I	Pests or Group of pests controlled (additionally: developmental stages of the pest or pest group)	Application			Application rate			PHI (days)	Remarks:
					Method / Kind	Timing / Growth stage of crop & season	Max. number (min. interval between applications) a) per use b) per crop/ season	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
1	EU	Ornamentals	G	Plant growth regulator	Gantry automated/ hand-held	Actively growing plants	a) 5 (7) b) 5 (7)	a) 9.0 b) 45.0	a) 7.65 b) 38.25	500 – 1500	-	e.g. safener/synergist per ha e.g. recommended or mandatory tank mixtures
2	EU	Ornamentals	F	Plant growth regulator	Hand-held	Actively growing plants	a) 5 (7) b) 5 (7)	a) 5.0 b) 25.0	a) 4.25 b) 21.25	500 – 1500	-	

B.3.4 Application rate and concentration of the active substance

For indoor use on ornamentals, the application rate is a maximum of five applications of 7.65 kg daminozide per hectare. The concentration of the active substance in the applied spray is 5.1 – 15.3 g/L.

For outdoor use on ornamental, the application rate is a maximum of five applications of 4.25 kg daminozide per hectare. The concentration of the active substance in the applied spray is 2.83 – 8.50 g/L.

B.3.5 Method of application

For indoor uses, the product is applied via gantry automated application and a hand-held application. For outdoor uses the product is applied via hand-held application.

B.3.6 Number and timing of applications and duration of protection

Maximum number of applications and their timings: up to five applications per crop for both indoor and outdoor uses. The minimum spray interval is 7 days. As the uses are for non-edible crops, there is no PHI.

Growth stages of crops or plants to be protected: the product can be applied with the plants are actively growing.

Development stages of the harmful organism concerned: not applicable – the product is a plant growth regulator.

Duration of protection afforded by each application: not applicable – the product is a plant growth regulator.

Duration of protection afforded by the maximum number of applications: not applicable – the product is a plant growth regulator.

B.3.7 Necessary waiting periods or other precautions to avoid phytotoxic effects on succeeding crops

Minimum waiting periods or other precautions between last application and sowing or planting succeeding crops: not applicable – the product is used as a plant growth regulator on ornamental crops and so minimum waiting periods for succeeding crops are not necessary.

Limitations on choice of succeeding crops: Not applicable.

B.3.8 Proposed instructions for use

See the representative GAP shown in B.3.3

B.3.9 Effectiveness

Available efficacy data show that daminozide acts as a plant growth regulator to produce more robust plants. Foliage tends to be greener and the plants more able to withstand drought and transport stresses. The period of saleability of many plant types can be extended.

B.3.10 Information on the development of resistance

The proposed use of daminozide is a plant growth regulator. As daminozide is not used for the control of pests, weeds or fungi, the development of resistance is not anticipated from its use.

B.3.11 Adverse effects on treated crops

There are no adverse effects on treated crops.

Response to treatment with daminozide products differs depending on the variety, stage of growth and physiological condition of the plant.

B.3.12 Observations on other undesirable or unintended side-effects

No undesirable or unintended side-effects have been observed.

B.3.13 References relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
Vol. 3CP point B.3	Unknown	2015	Dazide Enhance Document M-CP, Section 3 Data on Application	N	N	-	Fine Agrochemicals Ltd..