



APPLICATIONS UNDER EXAMINATION

LETTUCE

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(*Lactuca sativa*)

Proposed denomination: 'Alyssa'
Application number: 21-10620
Application date: 2021/07/02
Applicant: Rijk Zwaan Zaadteelt en Zaadhandel B.V., De Lier, Netherlands
Agent in Canada: Rijk Zwaan Export B.V., Leamington, Ontario
Breeder: Rijk Zwaan Zaadteelt en Zaadhandel B.V., De Lier, Netherlands

Variety used for comparison: 'Sintia'

Summary: *The plants of 'Alyssa' have a weak to medium degree of overlapping of the upper part of the leaves whereas the plants of 'Sintia' have a medium degree of overlapping of the upper part of the leaves. The leaf of 'Alyssa' is a medium green but lighter than that of 'Sintia', which is also medium green. 'Alyssa' has a weak to medium degree of blistering on the leaf whereas it is weak on the leaf of 'Sintia'.*

Description:

PLANT: butterhead type, in glasshouse culture, medium diameter, weak to medium degree of overlapping of upper part of leaves, absent or very weak axillary sprouting, begins bolting very late, absent or very weak intensity of fasciation at flowering stage, mid-season harvest maturity

HEAD: medium sized, circular shape in longitudinal section, medium density

LEAF: medium thickness, semi-erect attitude, absent or very few divisions, narrow oblate to circular shape, rounded tip, flat in longitudinal section, absent or very weak intensity of anthocyanin colouration, medium intensity of green colour, weak glossiness on upper side, weak to medium degree of blistering, medium size of blisters

LEAF BLADE: absent or very weak undulation of margin, venation not flabellate

SEED: white seed coat

DISEASE REACTIONS: resistance to Downy mildew (*Bremia lactucae*) isolates Bl:16EU, Bl:17EU, Bl:20 EU, Bl:21 EU, Bl:22 EU, Bl:23 EU, Bl:24 EU, Bl:25 EU, Bl:26 EU, Bl:27 EU, Bl:29 EU, Bl:30 EU, Bl:31 EU, Bl:33 EU, Bl:35 EU present; no resistance to Lettuce mosaic virus (LMV) pathotype II; no resistance to *Nasonovia ribisnigri* biotype Nr:0

Origin and Breeding: 'Alyssa' (breeder's reference 42-174 RZ) originated from a controlled cross conducted between two proprietary lines made in October 2009 in Fijnaart, the Netherlands. The criteria used for making selections were resistance to Downy mildew (*Bremia lactucae*), lack of tipburn symptoms and slow bolting time. The variety was stable after 9 generations and identified in November 2018. It later became known as 'Alyssa'.

Tests and Trials: The detailed description of 'Alyssa' is based on the UPOV report of Technical Examination, application number SLA4354, purchased from the Naktuinbouw in Roelofarendsveen, Netherlands. The trial was conducted by the Naktuinbouw in Roelofarendsveen, Netherlands in 2020.



Lettuce: 'Alyssa'



Lettuce: Reference variety 'Sintia'