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Nir

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(54) **CAPSICUM ANNUUM PLANT NAMED**
‘SLP2B322’

(50) Latin Name: *Capsicum annuum*
Varietal Denomination: **SLP2B322**

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patent is extended or adjusted under 35
U.S.C. 154(b) by 36 days.

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(52) **U.S. Cl.**

USPC **Plt./258**

CPC **A01H 5/08** (2013.01)

(58) **Field of Classification Search**

USPC **Plt./258**

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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(57) **ABSTRACT**

A new *Capsicum annuum* plant named ‘SLP2B322’ distin-
guished by its combination of seedless fruits, a glossy and
medium-dark red mature fruit colour, fruit diameter of about
3 to 3.5 cm, fruit weight of about 20 to 30 grams, and ability
to set fruit under relatively hot conditions.

2 Drawing Sheets

1

Latin name of the genus and species of the plant claimed:
Capsicum annuum.
Varietal denomination: ‘SLP2B322’.

CROSS-REFERENCE TO RELATED
APPLICATIONS

This application claims the benefit under 35 U.S.C. §119(f)
from Netherlands Plant Variety Rights application No.
PPS1433, filed Dec. 6, 2012.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct cultivar
of *Capsicum annuum*, designated ‘SLP2B322’.

The new *C. annuum* ‘SLP2B322’ was discovered and
selected as a single plant in Gedera, Israel in 2010, from the
progeny of a cross between SC09-F4-33-b as the female
parent (not patented) and AJ06-F3-378-19 as the male parent
(not patented).

The new cultivar was first asexually propagated by root
cuttings in Bet Dagan, Israel in February, 2010 and has been
asexually propagated since that time by cutting and rooting in
Gedera, Israel and Almeria, Spain. The distinctive character-
istics of this new *C. annuum* are stable and reproduce true to
type through successive generations of asexual reproduction.

SUMMARY OF THE INVENTION

‘SLP2B322’ is a distinctive variety of *C. annuum* charac-
terized by the following traits, which have been repeatedly

2

observed and in combination distinguish ‘SLP2B322’ as a
new and distinct *C. annuum* cultivar:

1. Seedless fruits
2. Glossy, medium-dark red mature fruit colour
3. Fruit diameter of about 3 to 3.5 cm
4. Fruit weight of about 20 to 30 grams.
5. Ability to set fruit under relatively hot conditions (e.g.,
30° C. to 35° C. during the day and 25° C. to 30° C. at
night).

Essentially all of the fruits of cultivar ‘SLP2B322’ are
completely seedless. However, in cases where ‘SLP2B322’
has been grown in the vicinity of a fertile variety, there are
occasional fruits with seeds due to cross-pollination by
insects transferring pollen from the fertile variety to
‘SLP2B322’.

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying photographs show typical characteris-
tics of the new cultivar.

FIG. 1 shows plants of cultivar ‘SLP2B322’ growing in a
plastic greenhouse in Mivtahime, Israel. This image was
taken in December 2012, five and one-half months after
planting.

FIG. 2 shows mature fruits of cultivar ‘SLP2B322’.

DETAILED BOTANICAL DESCRIPTION OF THE
NEW CULTIVAR

The following is a detailed botanical description of a new and distinct variety of *C. annuum* known as ‘SLP2B322’. Those skilled in the art will appreciate that certain characteristics will vary with older or younger plants. Further, ‘SLP2B322’ has not been observed under all possible environmental conditions. Where dimensions, sizes, colours and other characteristics are given, it is to be understood that such characteristics are approximations or averages set forth as accurately as practicable. The variety may differ from the descriptions set forth herein with variations in environmental and cultural conditions. Colour determinations are in accordance with the 2001 Edition of The Royal Horticultural Society Colour Chart. ‘SLP2B322’ is able to set fruit throughout the year when grown in a plastic greenhouse in southern Israel, including under cold (November to March) and hot (April to June) temperatures, although the set is reduced in July and August under these conditions.

A technical description of the variety is provided below in Table 1 based upon observations of 5-month-old plants grown under greenhouse conditions in Gedera, Israel during the Fall season.

TABLE 1

Characteristic	Value
Short technical description	Bush-type plant, indeterminate growth habit, medium internodes, produces seedless fruit, good ability to set in relatively hot conditions
Method of reproduction	vegetatively propagated
Plant: length of stem (between the ground and first fruit) (cm)	short-medium: 30
Plant: shortened internodes (in upper part)	absent (indeterminate)
Plant: number of internodes between 1st flower and shortened internodes (Varieties with shortened internodes only)	none
Plant: length of internodes (on primary side shoots)(varieties without shortened internodes) (cm)	medium: 5 to 15
Plant: anthocyanin coloration of nodes	present
Stem: Intensity of anthocyanin coloration of nodes	medium-strong
Stem: hairiness of nodes	weak
Plant: vigor	strong
Plant: height (cm)	compact: 200
Leaf: length of blade (cm)	medium: 17
Leaf: intensity of green colour	medium
Leaf: shape	ovate
Leaf: blistering	weak
Leaf: profile in cross section	moderately concave
Leaf: glossiness of upper leaf	very weak - weak
Leaf: Undulation of margin	medium
Leaf: width of blade (cm)	medium: 9
Flower: anthocyanin coloration in anther	absent
Peduncle: attitude	semi-drooping
Time of beginning of flowering (1st flower on 2nd flowering node)	medium
Fruit: colour (before maturity)	green
Fruit: intensity of colour (before maturity)	medium
Fruit: anthocyanin coloration (before maturity)	absent
Fruit: general impression	conical
Fruit: attitude	horizontal
Fruit: length (cm)	short - medium: 6 to 9
Fruit: diameter (cm)	small: 3 to 3.5
Fruit: ratio length-diameter	medium: 2.35

TABLE 1-continued

Characteristic	Value
5 Fruit: shape in longitudinal section	triangular
Fruit: shape in cross section (at level of placenta)	circular
Fruit: sinuation of pericarp at basal part	very weak
Fruit: sinuation of pericarp excluding basal part	absent or very weak
10 Fruit: texture of surface	smooth or very slightly wrinkled
Fruit: colour (at maturity)	red (RHS 32A, 42A & 43A)
Fruit: intensity of colour (at maturity)	medium-dark
Fruit: glossiness	strong
Fruit: stalk cavity	absent
Fruit: depth of stalk cavity	very shallow
15 Fruit: shape of apex (PBR)	very acute
Fruit: depth of interlocular grooves	very shallow
Fruit: number of locules	predominantly two
Fruit: thickness of flesh (mm)	thin: 2 to 3
Stalk: length (cm)	medium: 3.5 to 4.5
Fruit: capsacin in placenta	absent
Stalk: thickness (mm)	medium: 3
20 Calyx: aspect	non enveloping
Seed	Absent
Time of maturity (from flowering to mature fruit) (days)	medium: 60 (summer); 90 (winter)
Ripening can be compared with:	KAPPY
Potato Virus Y pathotype 0	S
25 Potato Virus Y pathotype 1	Unknown
Potato Virus Y pathotype 2	Unknown
Tobamovirus pathotype P0	S
Tobamovirus pathotype P0, P1	S
Tobamovirus pathotype P0, P1, P1-2	S
Tobamovirus pathotype P0, P1, P1-2, P1-2-3	S
30 Tomato Spotted Wilt Virus	S

These and other features and characteristics of cultivar ‘SLP2B322’ are apparent from FIGS. 1 and 2.

Comparisons with Other *C. annuum* Cultivars

‘SLP2B322’ is most similar to commercial *C. annuum* cultivar ‘SLP2B131’, which is also a seedless variety. As shown in Table 2, ‘SLP2B322’ can be distinguished from cultivar ‘SLP2B131’ (not patented) at least with respect to fruit diameter, fruit weight, mature fruit colour, and season for fruit setting.

TABLE 2

SLP2B322 has in comparison with:				
	CHARACTERISTIC IN WHICH THE COMPARISON VARIETY IS DIFFERENT FROM SLP2B322	STATE OF EXPRESSION OF COMPARISON VARIETY	STATE OF EXPRESSION OF SLP2B322	
50				
55	SLP2B131 Fruit diameter	2-3 cm	3-3.5 cm	
	SLP2B131 Fruit weight	20 to 30 g	10 to 20 g	
	SLP2B131 Mature fruit colour	Dark red (RHS 46A to 46B)	Medium-dark red (RHS 32A, 42A & 43A*)	
60	SLP2B131 Fruit setting season	Late (moderate temperatures needed for good set)	Early (Can set even in high temperatures)	

*The mature fruits of ‘SLP2B322’ are very glossy, whereas the color chips in the RHS colour chart are matte, making it more difficult to assign colour chart designations that correspond to the mature fruit colours. The colour of the mature fruits is described as accurately as reasonably possible given this limitation.

A comparison with the antecedent plants, SC09-F4-33-b and AJ06-F3-378-19, is shown below in Table 3. 'SLP2B322' can be distinguished from SC09-F4-33-b at least with respect to fruit size and mature fruit colour, and from AJ06-F3-378-19 at least with respect to mature fruit colour.

TABLE 3

SLP2B322 has in comparison with:			
CHARACTERISTIC IN WHICH THE COMPARISON VARIETY IS DIFFERENT FROM SLP2B322	STATE OF EXPRESSION OF SLB2B322	STATE OF EXPRESSION OF SC09-F4-33-b	STATE OF EXPRESSION OF AJ06-F3-378-19
Fruit length (cm)	6 to 9	4	8
Fruit diameter (cm)	3 to 3.5	3.5	3.5

TABLE 3-continued

SLP2B322 has in comparison with:			
CHARACTERISTIC IN WHICH THE COMPARISON VARIETY IS DIFFERENT FROM SLP2B322	STATE OF EXPRESSION OF SLB2B322	STATE OF EXPRESSION OF SC09-F4-33-b	STATE OF EXPRESSION OF AJ06-F3-378-19
10 Mature fruit colour	Medium-dark red (RHS 32A, 42A & 43A)	Dark red (RHS 46A to 46B)	Orange (RHS N30A & 28A)

What is claimed is:

15 1. A new and distinct variety of *Capsicum annuum* plant named 'SLP2B322', substantially as described and illustrated herein.

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