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(54) **MANDEVILLA PLANT NAMED**
'INMANREDS CAR'

(50) Latin Name: *Mandevilla* hybrid
Varietal Denomination: **INMANREDS CAR**

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See application file for complete search history.

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(57) **ABSTRACT**

A new cultivar of *Mandevilla* plant named 'INMANRED-
SCAR' that is characterized by early flowering, a compact
habit, green leaves and large red flowers that open wide and
are resistant to sun fading.

1 Drawing Sheet

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Botanical classification: *Mandevilla* hybrid.
Variety denomination: 'INMANREDS CAR'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Mandevilla* plant botanically known as *Mandevilla* hybrid
and hereinafter referred to by the cultivar name
'INMANREDS CAR'.

The new *Mandevilla* is the product of a planned breeding
program conducted by the inventor in Gensingen, Germany.
The objective of the breeding program is to create new
Mandevilla cultivars that flower early and have large flowers
that do not fade with sun exposure.

'INMANREDS CAR' originated from a crossing in 2008
of the female or seed parent *Mandevilla* 'Rio White' (not
patented) and the male or pollen parent *Mandevilla* 'Rio
Pink' (not patented). The resulting seeds were subsequently
planted and grown. The cultivar 'INMANREDS CAR' was
selected by the inventor in 2009 as a single plant within the
progeny of the stated cross in Gensingen, Germany.

Asexual reproduction of the new cultivar 'INMANRED-
SCAR' first occurred by terminal cuttings in 2009 in Gens-
ingen, Germany. Since that time, under careful observation,
the unique characteristics of the new cultivar have been
uniform, stable and reproduced true to type in successive
generations of asexual reproduction.

SUMMARY OF THE INVENTION

The following represent the distinguishing characteristics
of the new *Mandevilla* cultivar 'INMANREDS CAR'. These
traits in combination distinguish 'INMANREDS CAR' as a
new and distinct cultivar apart from other existing known
varieties of *Mandevilla*.

1. *Mandevilla* 'INMANREDS CAR' exhibits early flow-
ering.
2. *Mandevilla* 'INMANREDS CAR' exhibits a compact
habit.

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3. *Mandevilla* 'INMANREDS CAR' exhibits green
leaves.

4. *Mandevilla* 'INMANREDS CAR' exhibits large red
flowers that open wide.

5. *Mandevilla* 'INMANREDS CAR' exhibits flowers that
are resistant to sun fading.

The closest comparison cultivars are *Mandevilla* 'Sunda-
ville Red' (not patented) and *Mandevilla* 'Rio Red' (not
patented).

'INMANREDS CAR' is distinguishable from 'Sundaville
Red' by the following characteristics:

1. 'INMANREDS CAR' exhibits earlier flowering than
'Sundaville Red'.
2. 'INMANREDS CAR' exhibits a more compact habit
with less climbing than 'Sundaville Red'.
3. 'INMANREDS CAR' has wider leaves that are lighter
green in color than the leaves of 'Sundaville Red'.
4. 'INMANREDS CAR' exhibits larger flowers that open
wider and that are lighter red in color than the flowers
of 'Sundaville Red'.
5. 'INMANREDS CAR' exhibits flowers that are more
resistant to sun fade than the flowers of 'Sundaville
Red'.

'INMANREDS CAR' is distinguishable from 'Rio Red'
by the following characteristics:

1. 'INMANREDS CAR' exhibits earlier flowering than
'Rio Red'.
2. 'INMANREDS CAR' exhibits larger flowers that open
wider and are that are lighter red in color than the
flowers of 'Rio Red'.
3. 'INMANREDS CAR' exhibits flowers that are more
resistant to sun fade than the flowers of 'Rio Red'.
4. 'INMANREDS CAR' exhibits a faster rooting time than
'Rio Red'.

'INMANREDS CAR' is distinguishable from the female
parent 'Rio White' by the following characteristics:

1. 'INMANREDS CAR' exhibits earlier flowering than
'Rio White'.
2. 'INMANREDS CAR' exhibits a more compact habit
than 'Rio White'.

3. 'INMANREDDSCAR' exhibits larger flowers than the flowers of 'Rio White'.
 4. 'INMANREDDSCAR' exhibits red flowers. In contrast, the flowers of 'Rio White' are white.
 5. 'INMANREDDSCAR' exhibits leaves that are shorter than the leaves of 'Rio White'.
- 'INMANREDDSCAR' is distinguishable from the male parent 'Rio Pink' by the following characteristics:
1. 'INMANREDDSCAR' exhibits larger flowers than the flowers of 'Rio Pink'.
 2. 'INMANREDDSCAR' exhibits red flowers. In contrast, the flowers of 'Rio Pink' are pink.
 3. 'INMANREDDSCAR' exhibits lighter green leaves than the leaves of 'Rio Pink'.
 4. 'INMANREDDSCAR' exhibits leaves that are wider than the leaves of 'Rio Pink'.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying photograph illustrates the distinguishing traits of *Mandevilla* 'INMANREDDSCAR'. The plant in the photograph shows an overall view of an 8 month old plant. The photograph was taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

BOTANICAL DESCRIPTION OF THE PLANT

The following is a detailed description of the new *Mandevilla* cultivar named 'INMANREDDSCAR'. Data was collected in Gensingen, Germany from 8 month old glass greenhouse grown plants in 16 cm. diameter containers. The time of year was Summer and the temperature range was 15-28 degrees Centigrade during the day and 8-20 degrees Centigrade at night. No growth retardants were used. Color determinations are in accordance with The Royal Horticultural Society Colour Chart 2007 edition, except where general color terms of ordinary dictionary significance are used. The growing requirements are similar to the species. 'INMANREDDSCAR' has not been tested under all possible conditions and phenotypic differences may be observed with variations in environmental, climatic, and cultural conditions, however, without any variance in genotype.

Botanical classification: *Mandevilla* hybrid 'INMANREDDSCAR'.

Annual or perennial: Annual.

Parentage: 'INMANREDDSCAR' is the product of the female or seed parent *Mandevilla* 'Rio White' and the male or pollen parent *Mandevilla* 'Rio Pink'.

Vigor: Moderate.

Growth habit Vining.

Plant shape: Upright.

Suitable container size: 14-18 cm.

Height: 30 cm. in height.

Diameter: 20 cm. in diameter.

Low temperature tolerance: 5° Centigrade.

High temperature tolerance: 35° Centigrade.

Propagation: Terminal cuttings.

Time to initiate roots in summer: 25 days to initiate roots at 24° Centigrade.

Time to initiate roots in winter: 25 days to initiate roots at 24° Centigrade.

Time to produce a rooted cutting or liner in summer: 25 days at 24° Centigrade.

Time to produce a rooted cutting or liner in winter: 25 days at 24° Centigrade.

Crop time: Approximately 3 to 4 months.

Root system: Thick and fleshy.

Root color: N155.

Stem:

Branching habit.—Freely branching.

Basal branching.—Yes.

Average number of lateral branches.—20.

Pinching.—One pinch after planting.

Lateral branch dimensions.—2.75 mm. in diameter and 15 cm. in length.

Internode length.—3 cm.

Stem texture.—Smooth.

Stem strength.—Strong.

Stem color.—144A.

Pubescence.—Absent.

Foliage:

Leaf arrangement.—Opposite.

Compound or single.—Single.

Number of leaves per lateral branch.—33.

Leaf shape.—Ovate.

Leaf apex.—Cuspidate.

Leaf base.—Obtuse.

Leaf dimensions.—6 cm. in length and 3.8 cm. in width.

Texture.—Glabrous on both surfaces.

Pubescence.—None.

Leaf margin.—Entire.

Venation pattern.—Pinnate.

Young leaf color (upper surface).—146A.

Young leaf color (lower surface).—144A.

Mature leaf color (upper surface).—146A.

Mature leaf color (lower surface).—144A.

Vein color (upper surface).—144C.

Vein color (under surface).—144D.

Petiole dimensions.—1.25 cm. in length and 2 mm. in diameter.

Petiole color.—144D.

Durability of foliage to stress.—High.

Flower:

Inflorescence arrangement.—Single salverform flowers arranged in axillary racemes.

Inflorescence dimensions.—10 cm. in height and 10 cm. in width.

Quantity of flowers per inflorescence.—3 to 4.

Flower type.—Salverform, flared trumpet, corolla fused and five-parted.

Quantity of flowers per lateral stem.—12.

Quantity of flower buds per lateral stem.—20.

Quantity of flowers and buds per plant.—Average 55.

Natural flowering season.—Summer to Late Autumn.

Time to flower.—6 weeks.

Fragrance.—None.

Flower bud length.—8 cm.

Flower bud diameter.—1.5 cm.

Flower bud shape.—Oblong.

Bud color.—155A, tip 51A.

Rate of bud opening.—2 to 5 days.

Flower aspect.—Outward.

Flower shape.—Trumpet shaped.

Flower dimensions.—10 cm. in diameter and 7 cm. in height.

Flower longevity.—3 to 5 days.

Number of petals.—5.

Fused or unfused.—Fused.

Petal arrangement.—Base fused, flaring outward.
Petal shape.—Ovate.
Petal texture.—Smooth on both surfaces.
Petal margin.—Slightly undulate.
Petal apex.—Acuminate.
Petal base.—Fused.
Petal length.—3.5 cm.
Petal width.—3.5 cm.
Petal color when opening (upper side).—45B.
Petal color when opening (under side).—53B.
Petal color fully opened (upper side).—53C with blotches of 45D.
Petal color fully opened (under side).—52A.
Petal color fading to.—53C with blotches of 45D.
Self-cleaning or persistent.—Self-cleaning.

Sepals:

Sepal arrangement.—Five sepals arranged in a single whorl fused at the base.
Number of sepals.—5.
Sepal shape.—Lanceolate.
Sepal margin.—Entire.
Sepal apex.—Acuminate.
Sepal base.—Fused.
Sepal dimensions.—8 mm. in length and 2 mm. in width.
Young sepal color (upper side).—150B.
Young sepal color (under side).—150B.
Mature sepal color (upper side).—150B.
Mature sepal color (under side).—150B.

Calyx:

Calyx shape.—Funnelform.
Calyx dimensions.—8 mm. in length and 4 mm. in diameter.

Peduncle:
Peduncle dimensions.—3 cm. in length and 2 mm. in diameter.
Peduncle angle.—30 degrees.
Peduncle strength.—Strong.
Peduncle color.—N144B.

Pedicels:

Pedicel dimensions.—2.75 cm. in length and 2.5 mm. in diameter.
Pedicel angle.—90 degrees.
Pedicel strength.—Strong.
Pedicel color.—N144B.

Reproduction organs:

Stamen number.—5.
Anther shape.—Elliptic.
Anther size.—8 mm. in length and 2 mm. in width.
Anther color.—10B.
Amount of pollen.—Low.
Pollen color.—10B.
Pistil number.—One.
Pistil length.—2.5 cm.
Stigma shape.—Filiform.
Stigma color.—10C.
Style length.—2.5 cm.
Style color.—10C.
Ovary color.—149A.

Fruit and seed: Fruit and seed production has not been observed to date.

Disease and pest resistance: Disease and pest resistance has not been observed to date.

The invention claimed is:

1. A new and distinct variety of *Mandevilla* plant named 'INMANREDSCAR' as described and illustrated.

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