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Smith

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(54) **CHRYSANTHEMUM PLANT NAMED**
'CIFZ0082'

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIFZ0082**

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patent is extended or adjusted under 35
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(52) **U.S. Cl.**
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(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A new garden type *Chrysanthemum* plant named
'CIFZ0082' particularly distinguished by its medium size
plant with round mound plant habit, a medium to large size
daisy flower, pink/lavender flower color and a natural season
response in early September.

1 Drawing Sheet

1

Latin name of the genus and species of the plant claimed:
Chrysanthemum x morifolium.

Varietal denomination: 'CIFZ0082'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Chrysanthemum*,
botanically known as *Chrysanthemum x morifolium*, and
hereinafter referred to by the variety name 'CIFZ0082'.

'CIFZ0082' is a product of a planned breeding program.
The new cultivar has medium size plant with round mound
plant habit, a medium to large size daisy flower, pink/
lavender flower color and a natural season response early
September.

'CIFZ0082' originated from a cross made in April 2015 in
Enkhuizen, The Netherlands. Seeds were sown in June 2015
in Gilroy, Calif. and 'CIFZ0082' was selected from the
resulting population on Sep. 28, 2015 in Monroeville, N.J.

The female parent was the variety 'Yobonnie' (U.S. Plant
Pat. No. 18,886).

TABLE 1

Characteristics of the female parent compared to 'CIFZ0082':		
Trait	'CIFZ0082'	'Yobonnie'
Natural response:	1.5 to 2 weeks faster	1.5 to 2 weeks slower
Blackcloth response:	Similar	Similar
Flower size:	¼ inch larger	¼ inch smaller
Flower color:	Pink/Lavender	Red
Flower type:	Similar	Similar
Plant size:	Similar	Similar
Plant habit:	Similar	Similar
Flower longevity:	Similar	Similar

The male parent was 'Synmar Pinka' (U.S. Plant Pat. No.
22,637).

2

TABLE 2

Characteristics of the male parent, compared to 'CIFZ0082':		
Trait	'CIFZ0082'	'Synmar Pinka'
Natural response - North:	1.5 weeks faster	1.5 weeks slower
Natural response - South:	2.5 weeks faster	2.5 weeks slower
Blackcloth response:	Bit slower	Bit faster
Flower size:	Similar	Similar
Flower color:	Similar	Similar
Flower type:	Similar	Similar
Plant size:	Shorter	Taller
Plant habit:	Rounder	More upright
Flower longevity:	15% shorter	15% longer
Flowering uniformity:	More uniform flowering	Less uniform flowering

The first act of asexual reproduction of 'CIFZ0082' was
accomplished when vegetative stem cuttings were propa-
gated from the initial selection in January 2016 in Mebane,
N.C.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated in January 2016 and continuing there-
after, has demonstrated that the combination of characteris-
tics as herein disclosed for 'CIFZ0082' are firmly fixed and
are retained through successive generations of asexual
reproduction.

'CIFZ0082' has not been observed under all possible
environmental conditions. The phenotype may vary signifi-
cantly with variations in environment such as temperature,
light intensity and day length.

A Plant Breeder's Right for this cultivar has not yet been
applied for. 'CIFZ0082' has not been made publicly avail-
able prior to the effective filing date of this application,
notwithstanding any disclosure that may have been made
less than one year prior to the effective filing date of this
application by the inventor or another who obtained
'CIFZ0082' directly from the inventor.

The following traits have been repeatedly observed and are determined to be basic characteristics of the new variety. The combination of these characteristics distinguishes this *Chrysanthemum* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawing shows typical flower and foliage characteristics of 'CIFZ0082' with colors being as true as possible with an illustration of this type.

The photographic drawing shows in FIG. 1 a close view of flower of the new variety and

in FIG. 2 a flowering plant from an outdoor trial.

The aforementioned photographs: FIG. 1, as well as FIG. 2 were taken in March 2021 both showing a plant from the same blackcloth indoor trial in Enkhuizen, The Netherlands.

These plants were about 10 weeks of age. One rooted cutting per pot had been planted in a one gallon pot, not pinched in week 53, 2020 and black clothed from week 3. Plants started flowering mid March 2021.

DETAILED BOTANICAL DESCRIPTION

The measurements were taken in Gilroy, Calif. in September 2020 on the plants from indoor blackcloth trial.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.) 2015.

TABLE 3

DIFFERENCES BETWEEN THE NEW VARIETY 'CIFZ0082' AND TWO MOST SIMILAR VARIETIES:		
Trait	'CIFZ0082'	'Synmar Pinka' (U.S. Plant Pat. No. 22,637)
Natural response - North:	1.5 weeks faster	1.5 weeks slower
Natural response - South:	2.5 weeks faster	2.5 weeks slower
Blackcloth response:	Bit slower	Bit faster
Flower size:	Similar	Similar
Flower color:	Similar	Similar
Flower type:	Similar	Similar
Plant size:	Shorter	Taller
Plant habit:	Rounder	More upright
Flower longevity:	15% shorter	15% longer
Flowering uniformity	More uniform flowering	Less uniform flowering

TABLE 4

Trait	CIFZ0082	Fimmdayappleblos - U.S. Plant Pat. No. 25,617
Natural response:	½ week slower	½ week faster
Flower size:	Similar	Similar
Flower color:	Similar but no bicolor	Similar but has bicolor
Flower type:	Daisy	Decorative
Plant size:	Larger	Smaller
Plant habit:	Similar	Similar
Flower longevity:	Less	More

Plant:

Form, growth and habit.—Herbaceous garden-type, stems. Upright and outwardly spreading, freely branching, strong and moderately vigorous growth habit.

Plant height (above soil).—17-20 cm.
Plant height (inflorescence included).—20-23 cm.
Plant width.—32 cm.

Roots:

Number of days to initiate roots.—About 4 days at about 22° C.
Number of days to produce a rooted cutting.—14-16 days at 22° C.
Type.—Fine, fibrous, free branching.
Color.—RHS N155B.

Foliage:

Arrangement.—Alternate.
Immature leaf, color upper surface.—RHS 137A.
Immature leaf, color lower surface.—RHS 137C.
Mature leaf, color, upper surface.—RHS 139A.
Mature leaf, color lower surface.—RHS NN137C.
Length.—3.8 cm.
Width.—3.0 cm.
Shape.—Ovate, with distinct lobes.
Base shape.—Attenuate.
Apex shape.—Mucronate.
Margin.—5-lobed (palmate), edge dentate.
Number of margin indentations.—Many.
Depth of margin indentations.—Shallow.
Leaf length terminal lobe relative to total leaf length.—Medium.

Leaf depth lower lateral sinus.—Shallow.
Texture, upper surface.—Bifid hairs.
Texture, lower surface.—Bifid hairs.
Color of veins, upper surface.—RHS 138B.
Color of veins, lower surface.—RHS 138B.
Pattern of veining.—Palmate.
Petiole color.—RHS 137B.
Petiole length.—2.0 cm.
Diameter.—0.3 cm.
Texture.—Bifid hairs.
Presence of stipules.—Yes.
If present, size of stipules.—Small.

Stem:

Quantity of main branches per plant.—6-8.
Color of stem.—RHS 148A.
Length of stem.—8.0-9.0 cm.
Diameter.—0.5 cm.
Length of internodes.—1.0-3.0 cm.
Texture.—Bifid hairs.
Color of peduncle.—RHS 148A.
Length of peduncle.—3.0-3.5 cm.
Peduncle diameter.—0.2 cm.
Texture.—Bifid hairs.

Inflorescence:

Type.—Compositae, solitary, daisy-type inflorescences borne terminally above foliage, ligulate ray florets arranged at the margin of a capitulum giving a single flower.
Quantity of short days to flowering (response time).—Approximately 6.5 weeks.
Quantity of inflorescences per plant.—30-50 with many small buds developing.
Lastingness of individual blooms on the plant.—About four weeks from first color.
Fragrance.—Slightly spicy.

Bud (when showing color):

Color.—RHS N79B.
Length.—0.8 cm.
Width.—0.8-0.9 cm.
Shape.—Oblate.

- Immature inflorescence (at moment of opening):
Diameter.—2.0-2.5 cm.
Color of ray florets, upper surface.—RHS 64A; darkest at apex.
Color of ray florets, lower surface.—RHS 70A.
- Mature inflorescence:
Diameter.—4.5 cm.
Depth.—1.0 cm.
Total diameter of disc.—1.3 cm.
Receptacle color.—RHS 143C.
Receptacle height.—0.5 cm.
Receptacle diameter.—1.0 cm.
Length of corolla tube.—Medium.
- Ray florets:
Average quantity of florets.—23-36 in several whorls.
Color of florets, upper surface.—RHS NN78C; with white overtone.
Color lower surface.—RHS N78C.
Length.—2.0 cm.
Width/diameter.—0.5 cm.
Shape.—Elliptical.
Apex shape.—Mostly obtuse and dentate.
Base shape.—Tube.
Margin: entire.—Small incisions may be present at tip.
Margin: type of rolling.—Weakly involute.
Texture, upper surface.—Papillate.
Lower surface.—Papillate.
Ribs present.—Yes.
Number of keels.—1.
Profile at widest point.—Weakly convex.
Longitudinal axis shape.—Reflexing.
- Disc florets:
Number of disc florets.—Up to 120.
Width.—0.1 cm.
Length.—1.2 cm.
Colour.—RHS 13A; 144B at base.
- Inflorescence (at moment of senescence):
Color of ray florets, upper surface.—RHS N79C.
Color of ray florets, lower surface.—RHS N79D.

- Phyllaries:
Quantity.—20-25.
Color, upper surface.—RHS 143C.
Color, lower surface.—RHS 143A.
Length.—0.6 cm.
Width.—0.1-0.2 cm.
Shape.—Lanceolate.
Apex shape.—Acute.
Base.—Fused.
Margins.—Entire.
Texture, upper surface.—Glabrous.
Texture, lower surface.—Canescent.
- Reproductive organs:
Pistil.—One.
Length.—0.4 cm.
Style color.—RHS 150C.
Style length.—0.3 cm.
Stigma color.—RHS 7D.
Stigma shape.—Bi-parted.
Ovary color.—RHS 145C.
Ovary length.—0.2 cm.
Ovary width.—0.1 cm.
- Androecium:
Stamens.—1, found on only disc florets.
Color of filaments.—RHS 2B.
Length filaments.—0.2 cm.
Anther color.—RHS 13A.
Anther length.—0.2 cm.
Anther shape.—Oval to club shaped.
Color of pollen.—RHS 13A.
Pollen amount.—Moderate.
Fertility/seed set.—Has not been determined to date.
Disease/pest resistance.—Has not been determined to date.
Hardiness.—Has not been determined to date.
- 35 What is claimed is:
 1. A new and distinct variety of *Chrysanthemum* plant named 'CIFZ0082' substantially as illustrated and described herein.

* * * * *



FIG. 1



FIG. 2