

June 12, 1973

W. H. JESSEL, JR., ET AL

Plant Pat. 3,357

CHRYSANTHEMUM PLANT

Filed Sept. 14, 1971

2 Sheets-Sheet 1



June 12, 1973

W. H. JESSEL, JR., ET AL Plant Pat. 3,357

CHRYSANTHEMUM PLANT

Filed Sept. 14, 1971

2 Sheets-Sheet 2



United States Patent Office

Plant Pat. 3,357

Patented June 12, 1973

1

3,357

CHRYSANTHEMUM PLANT

Walter H. Jessel, Jr., Doylestown, and William E. Duffett, Akron, Ohio, assignors to Yoder Brothers, Inc., Barberton, Ohio

Filed Sept. 14, 1971, Ser. No. 180,532

Int. Cl. A01h 5/00

U.S. Cl. Plt.—74

1 Claim

The present invention comprises a new and distinct cultivar of chrysanthemum plant which is a sport of the cultivar known in the United States as Aglow, disclosed and illustrated in our pending application for U.S. Plant Patent Ser. No. 80,256, filed Oct. 12, 1970, and now P.P. 3,212.

The new cultivar is similar in certain respects to Aglow, having the same characteristics of:

- (1) Flower form.
- (2) Foliage size.

The new cultivar is distinguished from Aglow by the following characteristics, when grown under comparable conditions:

- (1) Flowers approximately $\frac{1}{4}$ " smaller in diameter.
- (2) More prolific, producing approximately 3 to 4 more flowers per stem.
- (3) A more orange coloration.
- (4) Approximately 2" to 3" less vigor.
- (5) A lighter foliage color.
- (6) Approximately three days earlier response.
- (7) A more uniform response within a flowering block.

The new cultivar was selected from a flowering block of the parent cultivar at Barberton, Ohio, and when asexually reproduced by cuttings at Barberton, Ohio, has been found to retain its distinctive characteristics through successive propagations.

Botanical classification: *Chrysanthemum morifolium*

	Orange Aglow	Aglow
Bloom:		
Size:	2 $\frac{1}{2}$ "	2 $\frac{3}{4}$ "
Fully expanded:	4"	4 $\frac{1}{4}$ "
Borne:	Clustered on elongated pedicel.	Elongated pedicels 8" to 12" long.
Stems:	6"-10"	
Form:	Daisy (single)	
Permanence:	7-10 days	
Color:		
Center of flower:	Yellow green, 5G Y5/6 to 6.25 Y7/12.	Yellow green, 5G Y5/6 to 6.25 Y7/12.
Base of petals:	Orange bronze, 2.5G Y7/8.	Approximately bronze, 10R4/10 to bronze, 5Y R6/12.
Inside of petals:	Bronze, 6.25 YR6/12 to orange bronze, 8.75 YR7/14.	Approximately bronze, 8.75 YR7/14 to light bronze, 10Y R7/12.
Reverse of petals:	Light bronze, 10YR7/10 to yellow bronze, 5Y8.5/10.	Yellow green, 5Y8/8.
Tonality from a distance:	Orange.	Red bronze.
Discoloration:	Light bronze, 8.75 YR7/14.	Light bronze, 10Y R7/12.
Petals:		
Texture:	Smooth.	Rough.
Appearance and form:	Open at base, broaden quickly, two main keels at bottom, tapering to a blunt point.	Deeply keeled with ridges, tapering to a blunt point.
Arrangement:	Composite, whorled on a single receptacle.	
Persistence:	Resists shatter.	
Fragrance:	Typical chrysanthemum.	
Reproductive organs:		
Stamens, anthers:	200+	
Pollen:	Abundant to none (functional sterility).	
Arrangement:	Clustered in center of flower, if present.	
Styles:	Present in both ray and disc florets.	
Length:	Short.	
Ovaries:	At the base of petal attached to receptacle.	
Plant:		
Form:	Herbaceous.	34"-38" as a daisy pompon when given 4-5 long day weeks and a total crop time of 13-14 weeks; 12"-18" as a pot mum given 9 week tall treatment as outlined in the timetables of Yoder Bros., Inc., Barberton, Ohio, for the various seasons of the year.
Growth:	Semi-upright.	
Height:	31"-35" as a daisy pompon when given 4-5 long day weeks and a total crop time of 13-14 weeks; 10"-16" as a pot mum given 9 week tall treatment as outlined in the timetables of Yoder Bros., Inc., Barberton, Ohio, for the various seasons of the year.	34"-38" as a daisy pompon when given 4-5 long day weeks and a total crop time of 13-14 weeks; 12"-18" as a pot mum given 9 week tall treatment as outlined in the timetables of Yoder Bros., Inc., Barberton, Ohio, for the various seasons of the year.
Spread:	6"-8" as a pinched pot plant.	
Foliation:		
Top side:	Dark green, 7.5G Y3/4.	Dark green, 10G Y2/4.
Size:	4 $\frac{1}{2}$ " long, 2 $\frac{3}{4}$ " wide.	
Quantity:	Numerous.	
Shape:	Spatula lobed.	
Texture:	Smooth.	
Ribs and veins:	Prominent.	
Edge:	Deeply indented.	
Serration:	Slight.	
Under side:	Light green, 5G Y4/4.	
Stipules:	Base of petiole prominent.	Light green, 7.5G Y4/4.

3,357

3

We claim:

1. A new and distinct cultivar of chrysanthemum characterized particularly as to its uniqueness when compared to the parent cultivar Aglow by its flowers which are approximately $\frac{1}{4}$ " smaller in diameter; its higher production, producing approximately 3 to 4 more flowers per stem; more orange coloration; approximately 2"

4

to 3" less vigor; lighter foliage color; approximately three days earlier response, and its more uniform response within a flowering block.

No references cited.

5

ROBERT E. BAGWILL, Primary Examiner