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Plant Pat. 3,405

CHRYSANTHEMUM PLANT

Filed Sept. 30, 1971



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3,405

CHRYSANTHEMUM PLANT

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1 Claim

The present invention comprises a new and distinct cultivar of chrysanthemum plant which is a sport of the cultivar Paragon, disclosed and illustrated in our pending application for U.S. Plant Pat. Ser. No. 185,458, filed Sept. 30, 1971.

The new cultivar is similar in many respects to Paragon, having the same characteristics of:

- (1) Flowering period.
- (2) Plant habit.
- (3) General flower form.

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

- (1) Its yellow flower color.
- (2) A petal count approximately 15% to 25% greater.

Botanical classification: *Chrysanthemum morifolium*

	Yellow Paragon	Paragon
Bloom:		
Size	4 1/2"	
Fully expanded	5 1/2"	
Borne	Terminal on disbudded stems	
Stems	Strong	
Form	Decorative	
Permanence	12-16 days	
Color:		
Center of flower	Yellow green, 2.5GY9/4	Yellow green, 5GY9/2.
Base of petals	Yellow green, 5GY8/6	Yellow green, 5GY8/6.
Inside of petals	Yellow, 10Y9/6	White, N9.5/.
Reverse of petals	Yellow, 10Y9/4	Do.
Tonality from a distance	Yellow, 10Y9/6	Do.
Discoloration	do.	Do.
Petals:		
Texture	Smooth	
Appearance and form	Closed at base, broadening to a wide shallow keel, tapering to a blunt point with recurved petal edges.	
Arrangement	Composite, whorled on a single receptacle	
Persistence	Resists shatter	
Fragrance	Typical chrysanthemum	
Reproductive organs:		
Stamen, anthers	None	
Pollen	do.	
Arrangement	Clustered in center of flower, if present.	
Styles	Present ray florets	
Length	Short	
Ovaries	At the base of petal attached to receptacle	
Plant:		
Form	Herbaceous	
Growth	Spreading	
Height	Approximately 12" when given 8-9 week medium treatment as outlined in timetables of Yoder Brothers, Inc., Barberton, Ohio.	
Spread	Approximately 8 1/2" when given 8-9 week medium treatment as outlined in the timetables of Yoder Brothers, Inc., Barberton, Ohio.	
Foliage:		
Top side	Dark green, 5GY3/4	
Size	5" long, 3 1/2" wide	
Quantity	Numerous	
Shape	Spatulate lobed	
Texture	Coarse	
Ribs and veins	Moderately prominent	
Edge	Moderately indented	
Serration	Coarse	
Underside	Light green, 5GY5/4	
Stipules	Prominent	

This contributes to a more highly crowned flower (greater depth) which is more pronounced in the high light periods of the year. Such higher crown results in a slight reflexing of the outer petals as the flower matures.

- (3) Consistently responds at least two days ahead of Paragon.

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.

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The new cultivar when grown in the vicinity of Barberton, Ohio, has a response period of approximately 9 weeks, and the following detailed description is based on observations made of the new cultivar in a greenhouse in Barberton, Ohio. The response time, blooming period, color, and total vigor may vary significantly with varying environmental conditions such as temperature, day length, and light intensity. Its optimum flowering periods for the various geographical areas is as follows: In the northern and western United States, from October through May; south and southwestern United States, November through early May; coastal California, January through December, and in Florida, November through early May.

The accompanying photographic drawing shows the unique characteristics of the new cultivar, the color being as nearly true as possible with color illustrations of this type. In the comparison photograph, the new cultivar appears on the left and the cultivar Paragon on the right.

In the description which follows, color references are made to the Munsel Color Book, 1963 edition, and comparisons are made with the parent cultivar Paragon. Where only a single value or description appears for the new cultivar, the same value or description applies also to the parent cultivar Paragon.

We claim:

1. A new and distinct cultivar of chrysanthemum characterized particularly as to its uniqueness when compared to the parent cultivar Paragon by its yellow flower color, by its two day earlier response, and by its petal count which is approximately 15% to 25% greater, which contributes to a more highly crowned flower which is more pronounced in the high light periods of the year.

No references cited.

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