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CHRYSANTHEMUM PLANT

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3,416

## CHRYSANTHEMUM PLANT

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berton, Ohio

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### 1 Claim

The present invention comprises a new and distinct cul-  
tivar of daisy form chrysanthemum plant which is a sport  
of the unpatented cultivar known commercially in the  
United States as Illini Spinwheel.

The new cultivar is similar in many respects to the  
parent cultivar Illini Spinwheel, having the same charac-  
teristics as Illini Spinwheel of:

- (1) Plant habit.
- (2) Flower size and unusual flower form.
- (3) Period of value.
- (4) Flowering response.

The new cultivar is distinguished from Illini Spinwheel  
by the following unique characteristics when grown un-  
der comparable conditions:

Our new cultivar when grown in the vicinity of Barber-  
ton, Ohio, has a response period of approximately 8-9  
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. Suggested flowering in the northern  
and western United States is from mid-March through De-  
cember; coastal California, January through December;  
and in Florida, November through December, and March  
through May.

The accompanying photographic drawing shows the  
unique characteristics of our new cultivar, the color being  
as nearly true as possible with color illustrations of this  
type. In the comparison photograph, the new cultivar ap-  
pears on the left (when looking from the right side of the  
drawing), and the parent cultivar Illini Spinwheel on the  
right.

In the following description, color references are made  
to the Munsell Color Book, 1963 Edition, and color com-  
parisons are made with the cultivar Illini Spinwheel.

Botanical classification: *Chrysanthemum morifolium*

	Yellow Spinwheel	Illini Spinwheel
<b>Bloom:</b>		
Size.....	1 3/4"	
Fully expanded.....	2 1/4"	
Borne.....	Clusters on elongated pedicels.	
Stems.....	Strong	
Form.....	Spooned daisy	
Permanence.....	10-12 days	
<b>Color (Munsell):</b>		
Center of flower.....	Yellow green, 2.5GY6/10	Green, 5GY6/6.
Base of petals.....	Yellow green, 2.5GY7/10	Yellow green, 2.5GY8/10.
Inside of petals.....	Yellow, 7.5Y8.5/12 to light yellow, 10Y9/6	Ivory, 10Y9/2 to pink, 5R5/8;
Reverse of petals.....	Light yellow, 10Y9/6	Ivory, 10Y9/1.
Tonality from a distance.....	Yellow	White.
Discoloration.....	Light yellow, 10Y9/6	Pink, 5R5/8.
<b>Petals:</b>		
Texture.....	Smooth	
Appearance and form.....	Tubular, flaring to spoon at tip, tapering to a blunt multi-notched point.	
Arrangement.....	Composite, whorled on a single receptacle	
Persistence.....	Resist shatter	
Fragrance.....	Typical chrysanthemum	
<b>Reproductive organs:</b>		
Stamen, anthers.....	150-180	
Pollen.....	Abundant	
Arrangement.....	Clustered in center of flower, if present	
Styles.....	Present both ray and disc florets	
Length.....	Short	
Ovaries.....	At the base of petal attached to receptacle	
<b>Plant:</b>		
Form.....	Herbaceous	
Growth.....	Spreading	
Height.....	Approximately 11"-13" when timed with 9 week medium to tall treat- ment as defined in the timetables of Yoder Brothers, Inc., Barberton, Ohio, for the various seasons.	
Spread.....	Approximately 8" as a pinched plant when timed with 9 week medium to tall treatment as outlined in the Yoder timetables for the various seasons.	
<b>Foliage:</b>		
Top side.....	Dark green, 7.5GY3/4	
Size.....	6 1/2" long, 3 3/4" wide	
Quantity.....	Numerous	
Shape.....	Spatulate lobed	
Texture.....	Coarse	
Ribs and veins.....	Prominent	
Edge.....	Deeply indented	
Serration.....	Deeply serrated	
Under side.....	Light green, 7.5GY5/4	
Stipules.....	Rudimentary	

(1) Its light yellow flower color.

(2) A sharper, more uniform response particularly in  
early spring (mid-March through April), and in very late  
fall (mid-November through December).

(3) An earlier response ranging from one to three days.  
It is approximately one day May through mid-November,  
and up to three days earlier mid-March through April,  
and mid-November through December.

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

We claim:

1. A new and distinct cultivar of chrysanthemum char-  
acterized particularly as to its uniqueness when compared  
to the parent cultivar Illini Spinwheel by its light yellow  
flower color, its sharper, more uniform response, particu-  
larly in the early spring period of mid-March through  
April and the very late fall period from mid-November  
through December, and by its earlier response, ranging  
from one day in May through mid-November and up to  
three days earlier in the periods of mid-March through  
April and mid-November through December.

No references cited.

ROBERT E. BAGWILL, Primary Examiner