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**Bergman**

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(54) **CHRYSANTHEMUM PLANT NAMED**  
**'YOSANTA CRUZ'**

(50) Latin Name: *Chrysanthemum*×*morifolium*  
Varietal Denomination: **Yosanta Cruz**

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patent is extended or adjusted under 35  
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See application file for complete search history.

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(57) **ABSTRACT**

A new *Chrysanthemum* plant named 'Yosanta Cruz', particu-  
larly distinguished by the single-type inflorescence with  
bright orange-red and yellow bi-colored ray florets, vigorous  
and upright habit, uniform habit and flowering response, and  
good floriferousness.

**1 Drawing Sheet**

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

Varietal denomination: 'Yosanta Cruz'.

**BACKGROUND OF THE NEW PLANT**

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

'Yosanta Cruz' is a product of a planned breeding program.  
The new cultivar has single-type inflorescences with bright  
orange-red and yellow bi-colored ray florets, vigorous and  
upright habit, uniform habit and flowering response, and  
good floriferousness.

'Yosanta Cruz' originated from a hybridization made in  
January 2004 in a controlled breeding environment in Salinas,  
Calif. The female parent was the proprietary plant desig-  
nated 'YB-A7399', unpatented, with daisy inflorescence  
form, medium bronze with yellow ray florets that twist with  
age.

The male parent of 'Yosanta Cruz' was a proprietary,  
unpatented plant identified as 'YB-A7002' with smaller  
inflorescence size, less vigorous growth, and about a one  
week later flowering response.

'Yosanta Cruz' was selected as one flowering plant within  
the progeny of the stated cross in December, 2005 grown out  
doors in a field covered by saran in Fort Myers, Fla.

The first act of asexual reproduction of 'Yosanta Cruz' was  
accomplished when vegetative cuttings were propagated  
from the initial selection in March 2006, in a controlled  
environment in Fort Myers, Fla.

A Plant Breeder's Right for this cultivar was applied for in  
Canada in March 2009. 'Yosanta Cruz' has not been made  
publicly available more than one year prior to the filing of this  
application.

**BRIEF SUMMARY OF INVENTION**

Horticultural examination of plants grown from cuttings of  
the plant initiated in March 2006, and continuing thereafter,  
has demonstrated that the combination of characteristics as

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herein disclosed for 'Yosanta Cruz' are firmly fixed and are  
retained through successive generations of asexual reproduc-  
tion.

'Yosanta Cruz' 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.

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 *Chry-*  
*santhemum* as a new and distinct variety:

1. Single-type inflorescences with bright orange-red and  
yellow bi-colored ray florets.
2. Vigorous and upright habit.
3. Uniform habit and flowering response.
4. Good floriferousness.

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

The accompanying photographic drawing shows typical  
flower and foliage characteristics of 'Yosanta Cruz' with col-  
ors being as true as possible with an illustration of this type.  
The photographic drawing shows four flowering potted plants  
of the new variety growing in a 5-inch pot, and a close-up of  
the inflorescences.

**DETAILED BOTANICAL DESCRIPTION**

The plant descriptions, measurements were taken in Gil-  
roy, Calif. in April 2009 under greenhouse conditions. These  
plants were started and grown in central coastal California,  
then shipped to Gilroy, Calif. in April 2009. Plants were  
grown under conditions which approximate those generally  
used in commercial potted *chrysanthemum* production and  
were about 10-11 weeks of age. The aforementioned photo-  
graphs were taken in Salinas, Calif. under a covered patio in  
April, 2009.

Color references are made to The Royal Horticultural Soci-  
ety Colour Chart (R.H.S.) 2001.

TABLE 1

| DIFFERENCES BETWEEN THE NEW VARIETY 'YOSANTA CRUZ'<br>AND A SIMILAR VARIETY |                    |   |
|---|--------------------|---|
|   | 'Yosanta Cruz'     | 'Cedar Falls' (U.S. Plant<br>Pat. No. 13,068) |
| Ray floret color:   | Deeper, darker red | Medium red                                    |
| Flowering response:   | 8 weeks            | 9 weeks                                       |
| Growth habit:   | Vigorous           | More compact                                  |

## Plant:

*Form, growth and habit.*—Herbaceous pot-type, vigorous and upright habit, freely branching, uniform habit and flowering response. Suitable for production—center budded or no bud removal.

*Plant height.*—20-22 cm.

*Plant height (inflorescence included).*—23-26 cm.

*Plant width.*—24-28 cm.

## Roots:

*Number of days to initiate roots.*—4 days at about 22 degrees C.

*Number of days to produce a rooted cutting.*—10 days at 22 degrees C.

*Type.*—Fine, fibrous, free branching.

*Color.*—RHS N155B but whiter.

## Foliage:

*Arrangement.*—Alternate, simple.

*Immature, leaf color, upper surface.*—Closest to RHS 147A.

*Lower surface.*—RHS 147B.

*Mature, leaf color, upper surface.*—Closest to RHS 147A but a little lighter.

*Lower surface.*—RHS 147B.

*Length.*—7.5-8.1 cm.

*Width.*—5.2-5.5 cm.

*Shape.*—Ovate.

*Base shape.*—Attenuate.

*Apex shape.*—Mucronulate.

*Margin.*—Palmately lobed; somewhat serrate.

*Texture, upper surface.*—Bi-fid T-shaped hairs.

*Lower surface.*—Bi-fid T-shaped hairs.

*Color of veins, upper surface.*—Closest to RHS 147B.

*Color of veins, lower surface.*—Closest to RHS 147B.

*Petiole color.*—Closest to RHS 147B.

*Length.*—1.7-2.1 cm.

*Diameter.*—0.2-0.25 cm.

*Texture.*—Bi-fid T-shaped hairs.

## Stem:

*Quantity of main branches per plant.*—4-5.

*Quantity of leaves per branch.*—10-12.

*Color of stem.*—Between RHS 146A and RHS 146B.

*Length of stem.*—17-19 cm.

*Diameter.*—0.4 cm.

*Length of internodes.*—0.8-2.3 cm.

*Texture.*—Bi-fid T-shaped hairs.

*Color of peduncle.*—RHS 146B.

*Length of peduncle (cm).*—3.5-4.5 cm.

*Peduncle diameter (cm).*—0.2 cm.

*Texture.*—Bi-fid T-shaped hairs.

## Inflorescence:

*Type.*—Composite type, solitary inflorescences, single type, borne terminally above foliage, ray florets arranged acropetally on a capitulum. Inflorescences do not totally lie flat.

*Quantity of short days to flowering (response time).*—52-56 days grown with center bud removal.

*Quantity of inflorescences per plant.*—13-20.

*Lastingness of individual blooms on the plant.*—28 days.

*Fragrance.*—Slight.

## Bud (just before opening/showing color):

*Color.*—Closest to RHS N34A with RHS 6A at the apex.

*Length.*—1.5 cm.

*Width.*—0.7-0.8 cm.

*Shape.*—Oblate.

## Immature inflorescence:

*Diameter.*—5.5-6.0 cm when flattened out.

*Color of ray florets, upper surface.*—Closest to RHS N34A with RHS 2A basally and RHS 3A at the apex.

*Lower surface.*—RHS 4A ground color; vertical striations of RHS 181B and darker margins, with RHS 4A at the apex.

## Mature inflorescence:

*Diameter.*—7-8.5 cm.

*Total diameter of "disc".*—1.9-2.2 cm.

## Ray florets:

*Average quantity of florets.*—27-29.

*Color of florets, upper surface.*—Closest to RHS 34A but a little lighter; RHS 2A basally; RHS 3A to RHS 3B at the apex

*Lower surface.*—RHS 4A ground color; vertical striations of RHS 181B and darker margins with RHS 4A at the apex.

*Length.*—3.8-4.0 cm.

*Width.*—0.8-0.95 cm.

*Shape.*—Oblong.

*Apex shape.*—Mostly obtuse.

*Margin.*—Entire.

*Texture, upper surface.*—Papillose.

*Lower surface.*—Papillose.

## Disc florets:

*Average quantity of florets.*—About 200.

*Color of florets.*—RHS 9A.

*Length.*—0.6-0.7 cm.

*Width.*—0.1 cm.

*Shape.*—Tubular, elongated.

*Apex shape.*—Acute, 5 pointed.

## Phyllaries:

*Quantity.*—18-20.

*Color, upper surface.*—RHS 147B.

*Lower surface.*—RHS 147B.

*Length.*—0.5-0.7 cm.

*Width.*—0.1-0.2 cm.

*Shape.*—Lanceolate.

*Apex shape.*—Acute to obtuse.

*Based.*—Fused.

*Margins.*—Entire and slightly papery.

*Texture, upper surface.*—Glossy and smooth.

*Lower surface.*—Bi-fid T-shaped hairs.

## 55 Reproductive organs:

*Pistil.*—1.

*Length.*—0.6 cm.

*Style color.*—RHS 1C.

*Style length.*—0.4-0.5 cm.

*Stigma color.*—RHS 9B.

*Stigma shape.*—Bi-parted.

*Ovary color.*—RHS N155C.

*Stamens.*—4.

*Color of filaments.*—RHS 144B but slightly translucent.

*Length filaments.*—0.2-0.3 cm.

*Anther color.*—RHS 9B.  
*Anther length.*—0.1 cm.  
*Anther shape.*—Oblong.  
*Color of pollen.*—RHS 9A.  
*Pollen amount.*—Scarce.  
*Fertility/seed set.*—Has not been observed on this hybrid.

Disease/pest resistance: Disease resistance or susceptibility has not been observed on this hybrid.

What is claimed is:

5 1. A new and distinct variety of *Chrysanthemum* plant named 'Yosanta Cruz', substantially as illustrated and described herein.

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