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(54) ***GAILLARDIA* PLANT NAMED 'KIEGALDAB'**
(50) Latin Name: ***Gaillardia aristata***
Varietal Denomination: **KIEGALDAB**

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See application file for complete search history.

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(57) **ABSTRACT**

'KIEGALDAB' is a new *Gaillardia* plant particularly distinguished by having uniform, bi-color, dark burgundy and yellow inflorescences and a uniform, compact plant habit, is disclosed.

1 Drawing Sheet

Genus and species: *Gaillardia aristata.*

Variety denomination: 'KIEGALDAB'.

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cultivar of *Gaillardia*, botanically known as *Gaillardia aristata*, and hereinafter referred to by the cultivar name 'KIEGALDAB'. 'KIEGALDAB' originated from a cross conducted in May 2003 in a cultivated field in Venhuizen, The Netherlands. The female parent was a proprietary unnamed *Gaillardia* plant (unpatented) with burgundy inflorescences. The male parent was a proprietary unnamed *Gaillardia* plant (unpatented) with yellow inflorescences.

The new cultivar was created in the spring of 2003 in Venhuizen, The Netherlands and has been asexually reproduced repeatedly by vegetative cuttings in Venhuizen, The Netherlands over a 2 year period. 'KIEGALDAB' has been found to retain its distinctive characteristics through successive asexual propagations.

Plant Breeder's Rights for this cultivar were applied for in Europe in September 2008. 'KIEGALDAB' has not been made publicly available more than one year prior to the filing of this application.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing characteristics of this new cultivar when grown under normal horticultural practices in Venhuizen, The Netherlands.

1. Uniform, bi-color, dark burgundy and yellow inflorescences; and
2. Uniform and compact plant habit.

DESCRIPTION OF THE PHOTOGRAPH

This new *Gaillardia* plant is illustrated by the accompanying photograph which shows the plant's form, foliage and inflorescences. The colors shown are as true as can be reasonably obtained by conventional photographic procedures. The photograph is of a plant approximately 4 to 5 months old in the spring/summer.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed description sets forth the distinctive characteristics of 'KIEGALDAB'. The data which define these characteristics were collected from asexual reproductions carried out in Venhuizen, The Netherlands. The detailed description was taken from 4 to 5 month-old plants grown in a cultivated field, under natural light in the spring/summer. Color references are to the R.H.S. Colour Chart of The Royal Horticultural Society of London (R.H.S.), 1986 Edition.

DETAILED BOTANICAL DESCRIPTION

Classification:

Family.—Asteraceae.

Botanical name.—*Gaillardia aristata.*

Common name.—Blanket flower.

Parentage:

Female.—Unnamed *Gaillardia* plant (unpatented) with burgundy inflorescences.

Male.—Unnamed *Gaillardia* plant (unpatented) with yellow inflorescences.

Plant description:

Appearance, form or habit.—Compact, upright.

Growth and branching habit.—Fast; base branching.

Height (from top of soil).—25 cm.

Width (including inflorescences).—25 cm.

Time to produce a finished plant having inflorescences.—80–100 days.

Time to initiate and develop roots.—10–12 days.

Root description.—White; well-spread and developed.

Leaves:

Arrangement.—Alternate and opposite.

Shape.—Lanceolate.

Apex.—Ovate.

Base.—Rounded.

Margin.—Entire.

Immature leaf color.—Upper surface: RHS 137A Lower surface: RHS 137B.

Mature leaf color.—Upper surface: RHS 137A Lower surface: RHS 137B.
Length.—8 cm to 10 cm.
Width.—2.5 cm to 3.5 cm.
Texture.—Upper surface: Pubescent Lower surface: Slightly pubescent.
Venation pattern.—Reticulate.
Venation color.—Upper surface: RHS 137A and RHS 137B (light-green) Lower surface: RHS 137C (light-green).
Petioles.—Absent.

Stems:
Average number of branches per plant.—About 15.
Length.—20 cm.
Diameter.—0.4 cm.
Internode length.—2.0 cm to 4.0 cm.
Shape.—Round.
Color.—RHS 138C (green).
Texture.—Pubescent.

Inflorescence buds:
Shape.—Round.
Length.—0.8 cm.
Diameter.—1.5 cm to 2.0 cm.
Color (*general*).—In center: Yellow-green At margin: Brown-red.
Texture.—Pubescent.

Inflorescence:
Appearance or form.—Disc and ray florets develop acropetally on a captiulum.
Type.—Composite, single-flowered.
Blooming habit (*flowering season*).—Constant, no flushes.
Average quantity of inflorescences per plant.—10 to 15.
Lastingness of the inflorescences on the plant.—10 days to 14 days.
Fragrance.—None.
Inflorescence diameter.—7.0 cm to 8.0 cm.
Inflorescence depth (*height*).—1.5 cm to 2.0 cm.
Disc diameter.—3.5 cm to 4.0 cm.
Receptical.—Shape: Hemispherical Diameter: 3.0 cm to 4.0 cm Depth: 1.5 cm Color: RHS 164C (honey-brown).

Disc florets:
Average quantity per inflorescence.—About 100.
Shape.—Linear.
Apex.—Tridentate.
Base.—Attenuate.
Margin.—Entire.
Length.—1.0 cm.
Diameter (*at apex*).—0.3 cm.
Diameter (*at base*).—0.1 cm.
Texture.—Smooth.
Color (*general*).—Apex: Green-yellow Center: Yellow Base: Green.

Ray floret:
Average quantity per inflorescence.—14 to 16.
Length.—3.0 cm.
Width.—1.5 cm.
Shape.—Denticulate.
Apex.—Tridentate.
Base.—Attenuate.
Margin.—Entire.
Texture (*both surfaces*).—Smooth.
Color, when opening.—Upper surface: Bi-color, RHS 32C (burgundy) and RHS 15A (yellow) Lower surface: Bi-color, RHS 32C (burgundy) and RHS 15B (yellow).
Color, fully opened (*both surfaces*).—Bi-color, RHS 32A (burgundy) and RHS 15A (yellow) margin.
Peduncle.—Length: 10 cm to 12 cm Diameter: 0.2 cm to 0.3 cm Texture: Pubescent Color: RHS 138C (green).

Involucral bracts:
Average quantity.—1 per disc floret.
Shape.—Lanceolate.
Aspect.—Upright.
Length.—1.1 cm.
Width.—0.3 cm.
Apex.—Denticulate.
Base.—Rounded.
Margin.—Entire.
Texture.—Pubescent.

Reproductive organs:
Androecium.—Location: Middle (in disc floret) Stamens: Quantity: 80 to 100 Shape: Long, bended Filament: Length: 0.8 cm Diameter: 0.1 cm Anther: Shape: V-shaped Length: 1.0 cm to 1.5 cm Diameter: 0.1 cm Pollen: Color: RHS 15B (yellow) Amount: Moderate.
Gynoecium.—Pistils Number: 1 per ray floret Length: 0.4 cm to 0.5 cm Diameter: 0.1 cm Stigma: Shape: Round Length: 0.2 cm Diameter: 0.1 cm Style: Shape: Long and 2-parted Length: 1.0 cm Diameter: 0.1 cm Ovary length: 0.2 cm.

Fruit/seed set: Composite seeds; light-brown to transparent in color; achene shape and 0.9 cm in diameter.

Disease and insect resistance: No specific disease resistance but tolerant to mildew

COMPARISON WITH PARENTAL LINES AND KNOWN CULTIVAR

'KIEGALDAB' is distinguished from its parents mainly by inflorescence color. The unnamed female parent has burgundy inflorescences and the unnamed male parent has yellow inflorescences. 'KIEGALDAB' has dark bi-colored burgundy and yellow inflorescences.

'KIEGALDAB' is distinguished from the commercial variety 'Arizona Sun' (unpatented) by having a more compact plant habit when compared to 'Arizona Sun'. 'KIEGALDAB' has a more uniform color pattern with dark bi-colored burgundy and yellow inflorescences, while 'Arizona Sun' has mahogany red inflorescences with bright yellow along the edges.

What is claimed is:

1. A new and distinct cultivar of *Gaillardia* plant as shown and described herein.

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