

(12) **United States Plant Patent**
Noodelijk

(10) **Patent No.:** **US PP14,981 P2**
(45) **Date of Patent:** **Jul. 6, 2004**

(54) **CHRYSANTHEMUM PLANT NAMED**
‘CEECHO’

(50) Latin Name: *Chrysanthemum morifolium*
Varietal Denomination: **Ceecho**

(75) Inventor: **Robert Noodelijk**, Woubrugge (NL)

(73) Assignee: **Chrysanthemum Breeders Association**
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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 44 days.

(21) Appl. No.: **10/316,872**

(22) Filed: **Dec. 12, 2002**

(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./286**

(58) **Field of Search** Plt./286, 295, 296

(56) **References Cited**

PUBLICATIONS

Upov-Rom, Plant Variety Database, hit on ‘Echo’, 2003/
03.*

* cited by examiner

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(57) **ABSTRACT**

A chrysanthemum plant named ‘Ceecho’ characterized by its
medium sized blooms with yellow-orange ray florets and
prolific branching; natural season flower date August 15–25;
blooming for a period of 5 weeks.

3 Drawing Sheets

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BACKGROUND OF THE INVENTION

‘Ceecho’ is a product of a breeding and selection program
for outdoor pot mums (garden mums) that had the objective
of creating new chrysanthemum cultivars with a daisy type
flower, a natural season flower date around August 15–25
and a blooming for a period of 5 weeks. The new plant of the
present invention comprises a new and distinct cultivar of
Chrysanthemum plant. ‘Ceecho’ is a seedling resulting from
the open pollination among groups of chrysanthemum cul-
tivars maintained under the control of the inventor for
breeding purposes. The identity of the parent plants yielding
this new chrysanthemum plant is unknown. The new and
distinct cultivar was discovered and selected as one flow-
ering plant by Rob Noodelijk on a cultivated field in
Rijsenhout, Holland in August 2000. The plant has been
asexually reproduced by cuttings in greenhouses at Rijsen-
hout, Holland. The new cultivar has been found to retain its
distinctive characteristics through successive propagations.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention of a new and distinct variety of
chrysanthemum is shown in the accompanying drawings,
the color being as nearly true as possible with color photo-
graphs of this type.

FIG. 1 shows a plant of the cultivar in full bloom.

FIG. 2 shows the various stages of bloom of the new
cultivar.

FIG. 3 shows the petiole and foliage of the new cultivar.

DESCRIPTION OF THE INVENTION

This new variety of chrysanthemum is of the botanical
classification *Chrysanthemum morifolium*. The observations
and measurements were gathered from plants grown out
door in Rijsenhout, Holland under natural day length and
temperature and planted week 22 in 2000 and 2001. The
natural blooming date of this crop was August 15–25 (week
34). The average height of the plants was 28 cms. No growth

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retardants were used. No tests were done on disease or insect
resistance or susceptibility. No tests were done on cold or
drought tolerance. This new variety produces medium sized
blooms with yellow-orange ray florets and a yellow center
blooming for a period of 5 weeks.

From the cultivars known to the inventor, the most similar
existing cultivar in comparison to ‘Ceecho’ is ‘Gabrielle’.
When ‘Gabrielle’ and ‘Ceecho’ are compared, the following
differences are noticed: The differences of ‘Gabrielle’ and
‘Ceecho’ are (1) Flower size and color. ‘Ceecho’ has smaller
flowers. The upper side of the ray-florets of ‘Ceecho’ is more
yellow and not so orange. (2) Natural blooming date.
‘Ceecho’ flowers much earlier than ‘Gabrielle’.

The following is a description of the plant and character-
istics that distinguish ‘Ceecho’ as a new and distinct variety.
The color designations are taken from the plant itself.
Accordingly, any discrepancies between the color designa-
tions and the colors depicted in the photographs are due to
photographic tolerances. The color chart used in this
description is: The Royal Horticultural Society Colour
Chart, 1995 edition.

Table 1. Botanical Description of Cultivar ‘Ceecho’

Bud:

Size.—Small; cross-section 0.9 cm, height 1.0 cm.

Outside color.—Orange-red 31A.

Involucral bracts.—2 rows, length 9 cm, width 3 mm.

Involucral bracts among disc-florets.—Not present.

Involucral bracts color.—Green 138B.

Bloom:

Type.—Daisy.

Height.—Medium, 1.5 cm.

Size.—Medium.

Fully expanded.—4.0–4.3 cm.

Number of blooms per branch.—Approx. 5–7 blooms
per branch.

Performance on the plant.—5 weeks.

Seeds (if crossed).—Produced in large quantities, ovate grey-brown 199A, 1½ mm in length.
Fragrance.—Typical chrysanthemum, slightly.

Color:
Center of the flower (disc-florets).—Immature yellow 13A. Mature yellow 13A.
Color of upper surface of the ray-florets.—Yellow-orange 15A.
Color of the lower surface of the ray-florets.—Orange-red 31A.
Tonality from distance.—A garden mum with yellow-orange flowers and a yellow disc.
Color of the upper surface of the ray-florets after aging of the plant.—Yellow-orange 15B.

Ray florets:
Texture.—Upper and under side smooth.
Number.—32–34.
Cross-section.—Flat.
Longitudinal axis of majority.—Straight.
Length of corolla tube.—0.5 cm.
Ray-floret margin.—Entire.
Ray-floret length.—2.3–2.5 cm.
Ray-floret width.—0.6 cm.
Ratio length/width.—Medium.
Shape of tip.—Rounded.

Disc florets:
Disc diameter.—1.5 cm.
Distribution of disc florets.—Numerous, clearly visible at all stages of flowering.
Shape.—Tubular.
Color.—Yellow 13A.
Receptacle shape.—Domed Flat.

Reproductive organs:
Stamen (present in disc florets only).—Thick, 4 mm in length.
Stamen color.—Yellow-green 144A.
Pollen.—Present.
Pollen color.—Yellow 7A.
Styles.—Thin.
Style color.—Yellow-green 144A.
Style length.—4 mm.
Stigma color.—Yellow-green 144A.
Stigma width.—1 mm.
Ovaries.—Enclosed in calyx.

Plant:
Shape.—Grown as a spray-type pot mum, outdoor mounded and round.

Growth habit.—Spreading.
Growth rate.—Rapid.
Height.—28 cm.
Width.—34–36 cm.
Stem color.—Yellow-green 148A.
Stem strength.—Strong.
Stem brittleness.—Present.
Stem anthocyanin coloration.—Absent.
Length of lateral branch.—From top to bottom 12–13 cm.
Lateral branch color.—Yellow-green 148A.
Lateral branch, attachment.—Brittle.
Branching (average number of lateral branches).—Good with 6–7 breaks after pinching.
Peduncle length.—4.0–4.5 cm.
Peduncle color.—Yellow-green 148A.
Natural season blooming date.—August 15–25.

Foliage:
Color.—Upper side yellow-green 147A. Under side yellow-green 147B.
Size.—Small; length 4.5 cm, width 3.5 cm.
Quantity (number per lateral branch).—8.
Shape.—Ovate.
Texture upper side.—Glabrous.
Texture under side.—Pubescent.
Venation arrangement.—Palmate.
Shape of the margin.—Serrated.
Shape of base of sinus between lateral lobes.—Round.
Margin of sinus between lateral lobes.—Diverging.
Shape of base.—Truncate.
Apex.—Mucronate.

TABLE 2

Differences with the comparison varieties		
	‘Ceecho’	‘GABRIELLE’
Color of the upperside of the ray-florets	Yellow-orange 15A	Greyed-orange 169A, with a pattern of yellow-orange 16A
Natural Blooming date	August 15–25	October 1–10

I claim:
1. A new and distinct variety of chrysanthemum plant as described and illustrated.

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FIG. 1

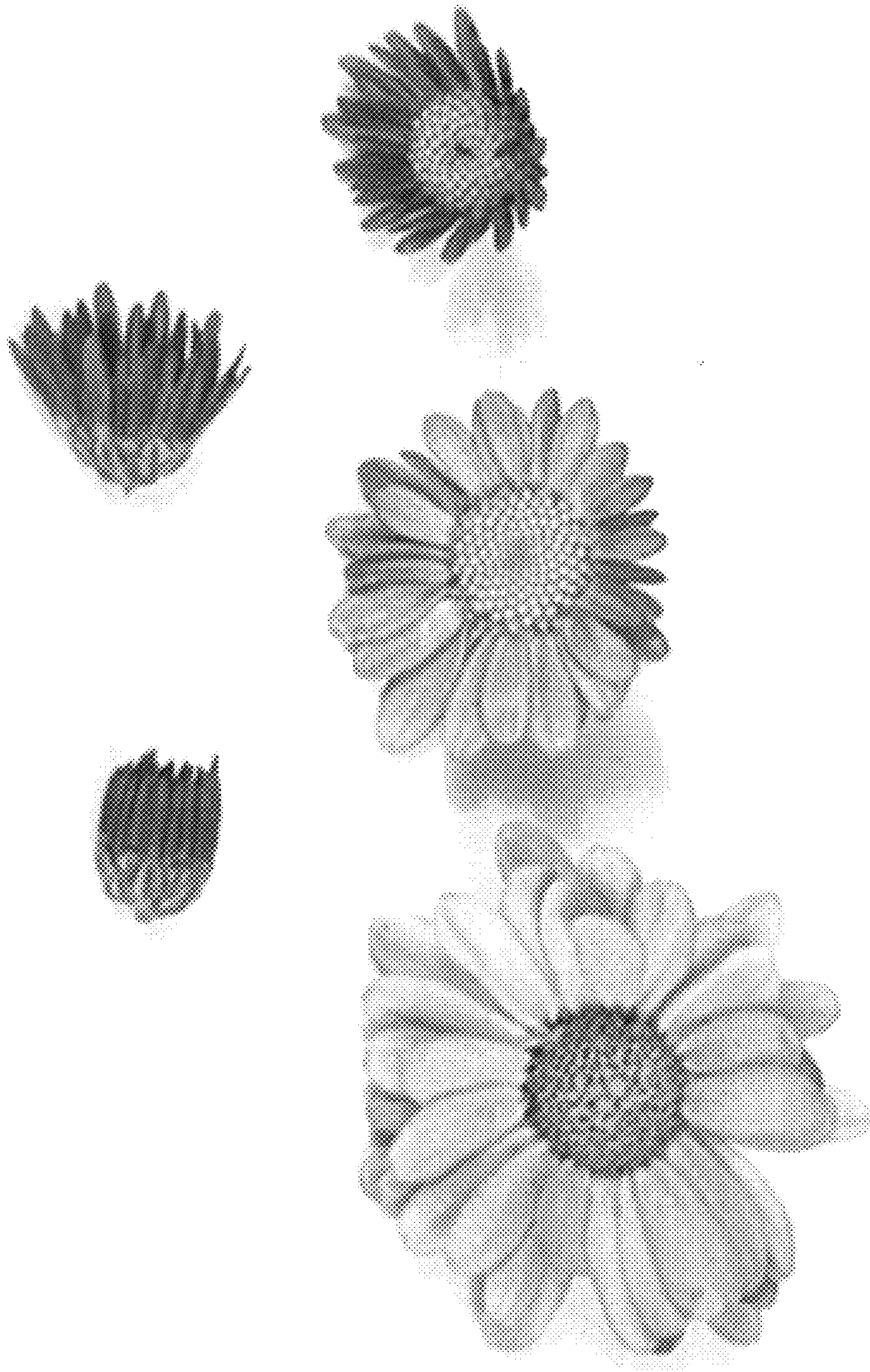


FIG. 2

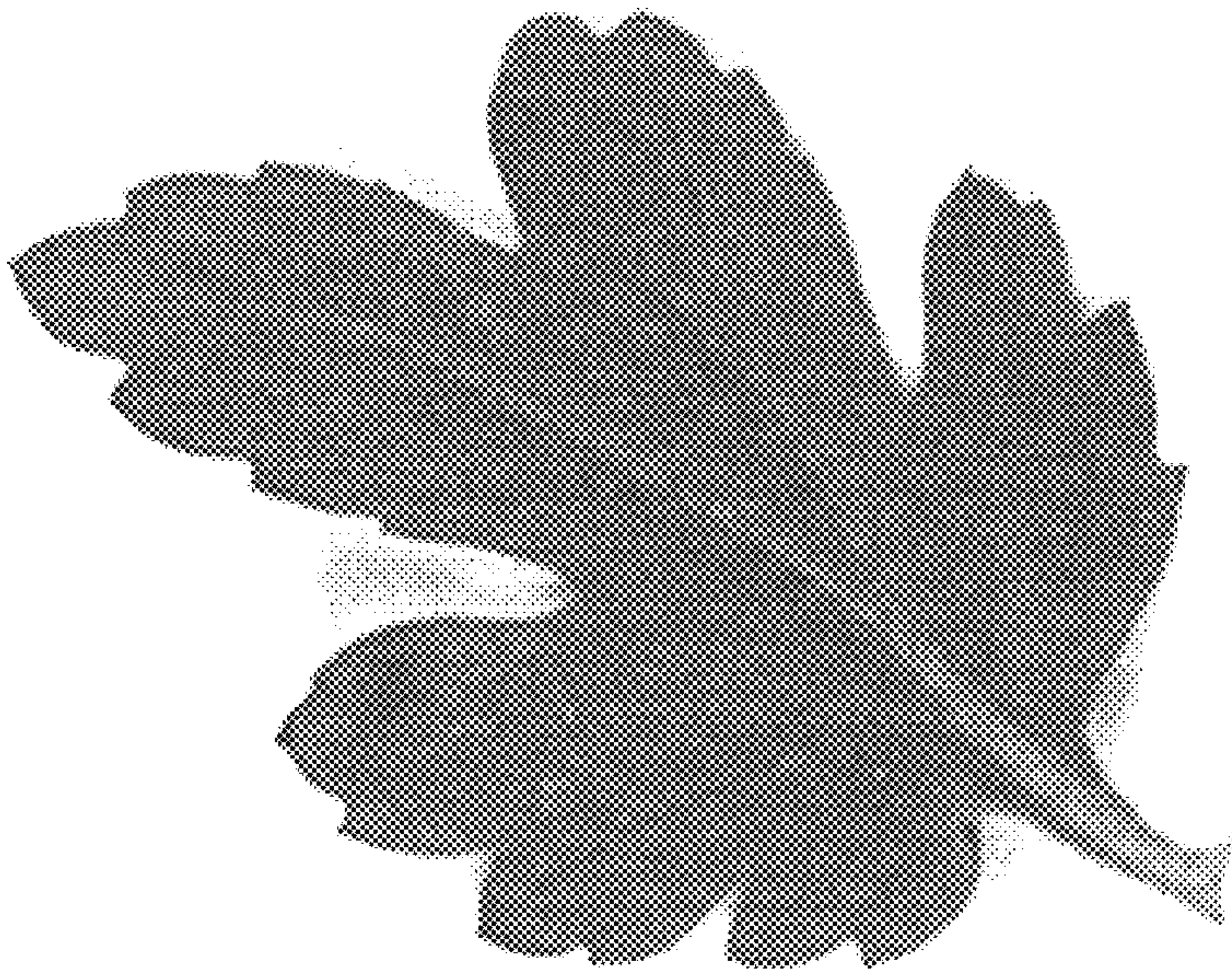
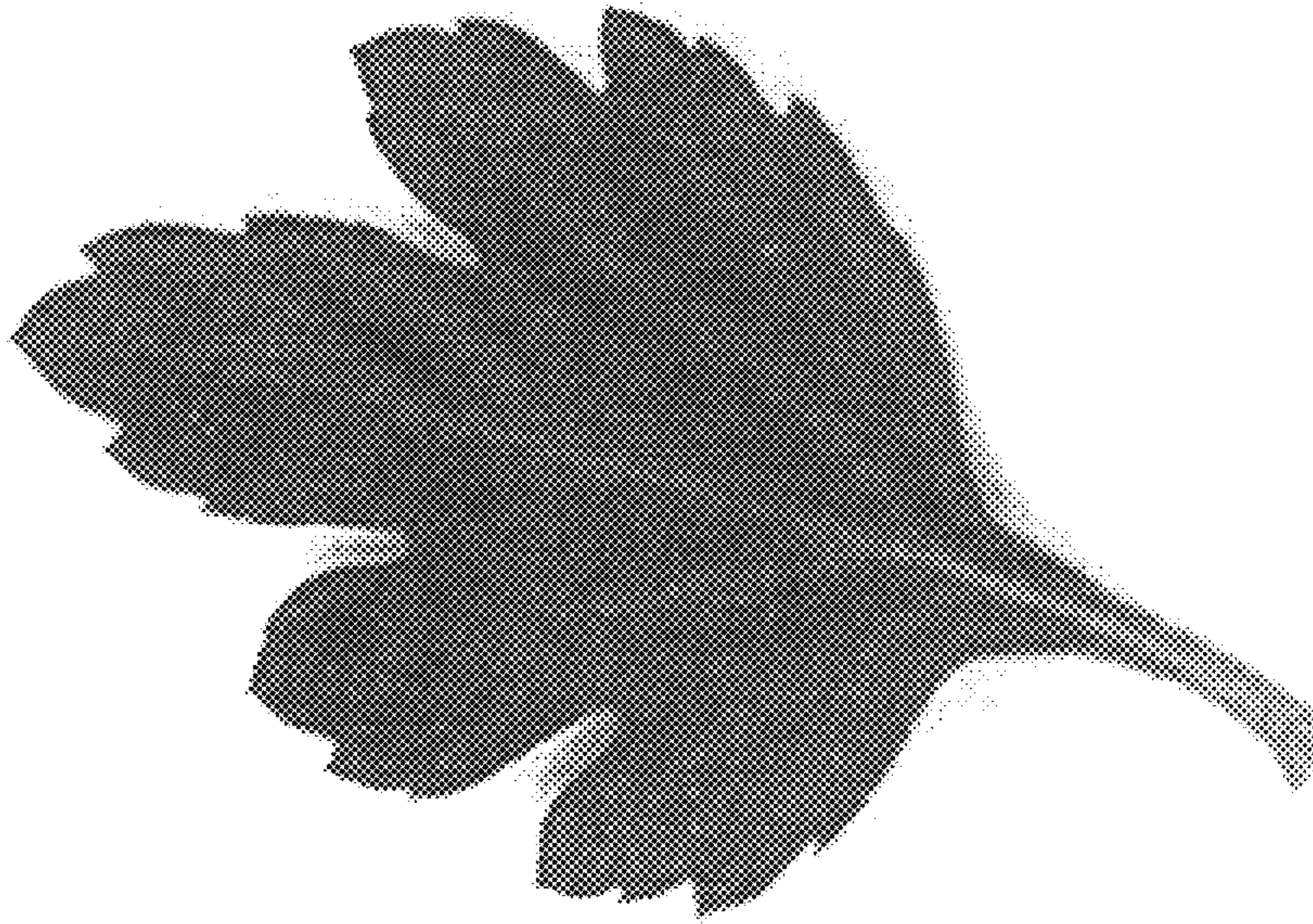


FIG. 3