

# *Begonia tuberhybrida* Hybrid Tuberous Begonia<sup>1</sup>

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## Introduction

Tuberous begonias grow in partial shade but usually not as well in deep shade or full sun. Provide a well-drained soil. The plants need frequent watering and fertilization but excess of either causes flower bud drop. The plants are quite brittle, and staking helps them tolerate violent weather. The single female flowers are removed before seed forms to keep the plant blooming. The females are on either side of the double male flowers.



Figure 1. Full Form - *Begonia tuberhybrida*: Hybrid Tuberous Begonia  
Credits: Edward F. Gilman, UF/IFAS



Figure 2. Flower - *Begonia tuberhybrida*: Hybrid Tuberous Begonia  
Credits: Edward F. Gilman, UF/IFAS

## General Information

**Scientific name:** *Begonia tuberhybrida*

**Pronunciation:** bee-GO-nee-uh too-bur-HYE-brid-uh

**Common name(s):** Hybrid tuberous begonia

**Family:** *Begoniaceae*

**Plant type:** herbaceous; bulb/tuber; annual; perennial

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2. Edward F. Gilman, professor, Environmental Horticulture Department; and Randy Heatley, Michigan State University; Ryan W. Klein; and Gail Hansen; Environmental Horticulture Department, Gainesville, FL 32611.

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**USDA hardiness zones:** all zones (Figure 3)

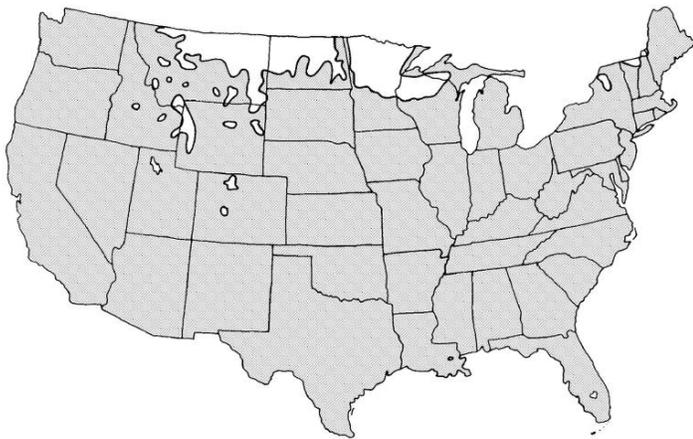


Figure 3. Shaded area represents potential planting range.

**Planting month for zone 7:** May

**Planting month for zone 8:** Apr; May

**Planting month for zone 9:** Mar

**Planting month for zone 10 and 11:** Oct; Nov; Dec

**Origin:** not native to North America

**Invasive potential:** not known to be invasive

**Uses:** edging; hanging basket

**Availability:** somewhat available, may have to go out of the region to find the plant

## Description

**Height:** .5 to 1.5 feet

**Spread:** .5 to 1.5 feet

**Plant habit:** round

**Plant density:** moderate

**Growth rate:** moderate

**Texture:** medium

## Foliage

**Leaf arrangement:** alternate

**Leaf type:** simple

**Leaf margin:** lobed

**Leaf shape:** cordate

**Leaf venation:** pinnate

**Leaf type and persistence:** not applicable

**Leaf blade length:** 2 to 4 inches

**Leaf color:** green

**Fall color:** not applicable

**Fall characteristic:** not applicable

## Flower

**Flower color:** white; pink; salmon; orange; yellow

**Flower characteristic:** showy

## Fruit

**Fruit shape:** no fruit

**Fruit length:** no fruit

**Fruit cover:** no fruit

**Fruit color:** not applicable

**Fruit characteristic:** inconspicuous and not showy

## Trunk and Branches

**Trunk/bark/branches:** not applicable

**Current year stem/twig color:** green

**Current year stem/twig thickness:** thick

## Culture

**Light requirement:** plant grows in the shade

**Soil tolerances:** sand; acidic; loam; clay

**Drought tolerance:**

**Soil salt tolerances:** unknown

**Plant spacing:** 6 to 12 inches

## Other

**Roots:** not applicable

**Winter interest:** not applicable

**Outstanding plant:** not particularly outstanding

**Pest resistance:** long-term health usually not affected by pests

Stem rot causes the stalks to rot and collapse. The rotted areas are usually black. Avoid crowding and remove any infected plants.

## Use and Management

Tubers are started in February or March at temperatures of 65°F to 68°F. Start tubers, indented side up, on a layer of peat. When new growth is three to four inches tall, repot and cover the tuber. In central and south Florida, the tubers are planted in fall for use as a cool season bedding plant.

Following a reduction in blooming and yellowing leaves, the leaves and stems fall off the bulb. The tubers are dug when the leaves and stems fall off. Do not break off the stems but wait until they fall off naturally. Injured bulbs should be exposed to air to allow the area to dry. Wash tubers and allow them to dry before storing. Dried tubers are covered with peat or sand and stored at 45°F to 60°F.

Propagation is by stem cuttings or by tuber division. Stem cuttings are made from surplus shoots which arise from the tuber. Stem tips may also be used. The cuttings are three inches long and are cut off just below a node. Sand may be used as the rooting media. Keep cuttings out of direct sun and in temperatures between 60°F and 65°F. Rooting occurs in five weeks. Tuber division is the other way to propagate the plants. Divide the tuber so each division has a bud and use a fungicide to prevent rot. Allow the pieces to dry several days then place them one-half inch deep in sand. The new plants develop more rapidly with bottom heat. Pinch off the first flower buds.

Thrips cause irregular reddish -brown lines on the upper sides of the leaves. Spots form on the undersides of the leaves, especially along the main veins. The leaves may be deformed.

Black vine weevil grub eats the roots causing wilting and death.

Mites stunt the new growth.

## Pests and Diseases

Begonias will be attacked by powdery mildew, especially if growing in the shade.

Leaf spots may be found on tuberous begonia.