

# Plug & Liner Basics



Plug sizes shown: 512, 288 and 128.

## What are plugs?

Plugs are young plants, grown from seed in separate cells of greenhouse trays. Standard trays measure 11"x22", but the cell size and number of cells per tray varies. The more cells are in a tray, the smaller the plants are.

## What are liners?

Liners are young plants, usually grown from cuttings, sown in standard greenhouse trays or narrower "strip" trays. Liners are sown in larger cells than plugs, so there are fewer cells per tray.

## How are plugs & liners used?

Plugs and liners are usually transplanted into packs, pots, or mixed containers for further growing in a greenhouse. Larger plugs and liners may be transplanted directly into the field for cut flower, vegetable, and landscape applications.

## Why use plugs & liners?

**Reduce energy & labor costs.** Receive young plants in the spring, and reduce heating and labor costs associated with winter greenhouse production.

**Increase variety selection.** Some species and varieties, like calibrachoa, can be grown reliably only from cuttings. Order these as liners to supplement your seed-grown products.

**Offer first-year-flowering perennials.** Save production costs by letting our plug growers overwinter your perennials...and then sell flowering plants at premium prices!



Herb Liner trays from Gro 'n Sell

## What does Harris Seeds do as a plug & liner broker?

**Harris Seeds is a broker for 10 different plug & liner suppliers.** We receive your order and relay it to the plug grower. We then communicate with you and the plug grower to make any necessary adjustments and then to confirm the order. We also provide you with customer service in case of issues or claims. Plugs & liners are shipped directly from the grower to you.

## Can I combine products from several growers on one order?

**Each plug order is for ONE plug grower, on ONE ship date.** You may place as many orders as you like.

## How far in advance do I need to order?

It is preferred that you place your order early enough so the grower will have enough time to custom-grow your plants. Lead times vary by supplier and plant type, and they are listed on the order form. The earlier in the season you order, the more likely there will be sufficient lead time for custom growing.

## Can I order from availability?

It is sometimes necessary to place an order on short notice for unplanned material. These plants will be taken from the stock our growers have on hand. Since growers may not have everything you desire when you order from availability, it's best to place your main orders early.



## Contact Us!

Our customer care staff and horticulturists are happy to answer your questions.

**Toll Free Phone: 800-544-7938**

**Toll Free Fax: 877-892-9197**

*Order forms and links to grower websites at*

**[www.harriseseeds.com](http://www.harriseseeds.com)**

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*A Grower Friendly Company*

