





Presentation Overview ■ Product mix ■ Container size Propagation method

- Cultural practices
- Future trends



Product Mix—What Should I Grow?

- Grow what people are buying
 - Impatiens
 - Geranium (cultured)
 - Petunia
 - Geranium (seed)
 - Marigold
 - Begonia



Product Mix (continued)

- Pansy
- Tomato
- Vinca
- Alyssum
- Dusty miller
- Portulaca
- Salvia









Seedling Production Hand sowing into open flats Transplant when large enough to handle More labor intensive Greater transplant shock



Advantages of Buying Plugs Simplified crop schedules Eliminates propagation Can allow additional turns of greenhouse space "Grow your own" complex and expensive to get started

Disadvantages of Buying Plugs Cultivars somewhat limited Minimum quantities Delivery expense Quality problems





Timing

- Important for quality
- Pot-bound plants look bad in packs and do not perform well in the garden
- Know market date and "count backwards"



Sales Periods in Missouri

Time of Year	Percent Sales
Late March – Early Apri	1 25
Mid-April – Late April	40
Early May – Mid-May	25
Late May	10

Plug Finishing Time (weeks)

Crop	392 ⋅48 flat	392 · 4-inch
Ageratum	5-6	7
Alyssum	5-6	6
Etc.		

60 degree night temperature







Watering Avoid over-watering Consider water quality Alkalinity Salinity Biological purity

Temperature Cool crops (e.g. pansy and snaps) 50-55 degrees F Warm crops (e.g. marigold and begonia) 60-65 degrees F "Heat lovers" (e.g. vinca) At least 65 degrees F



Height Control Plant Growth Regulators B-nine Cycocel A-rest Sumagic Bonzi Water DIF





Postharvest/Marketing Poor handling by mass marketers

- Label everything
- Group by useDisplay beds





Trends in Bedding Plants

Potted (4 & 6-inch) Annuals Geraniums Vegetativly-propagated species (e.g. Supertunia® Veggies Herbs Main difference is crop time, add 2-6 weeks on to

flats

Advantages Higher profits/ft² Increase product diversity Longer marketing period

Disadvantages Longer crop times—need to charge more per sales unit More limited market

Hanging Baskets Any species that does not have an strongly upright growth habit Petunia Verbena Impatiens Tuberous begonia Scaevola Mixed species

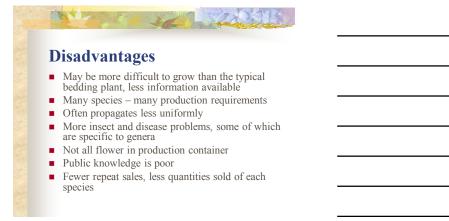
Advantages Use 'free' space in greenhouse Easy to fit into product mix Increase product diversity

Disadvantages Irrigation Dripping – reduced growth of plants below Shipping Blocks light below Structural support



Perennials Increasing area of bedding plants, hundreds of species Garden mums Hostas Daylilies Etc.

Advantages Can be grown earlier and moved outdoors Grow under cooler temperatures Grow in unheated hoop houses Increase product diversity



Patio Plants Patio plants Hibiscus Veggies Tree-forms Small market Can be profitable but must be priced high due to long crop times and large amount of space

Summary Bedding plants most profitable greenhouse crop for most growers Getting started means competition—what can you do that others cannot Concentrate on quality Be aware of new trends in marketing Make each crop a learning experience

