

## **2009 National Floriculture Career Development Event**

### **Problem Ten**

Assume you are a production manager in a floral greenhouse operation. You are to produce poinsettias in standard 7 inch pots, 2 plants per pot for the Christmas season. You have 60 benches measuring 4 foot by 15 foot. You are to use commercial growing media that is available in 4 cubic foot bales at \$19.85 per bale.

Use the information provided to answer the following questions.

- 1) How many pots can you produce on the tables available?
- 2) How many cuttings should you order?
- 3) How many bales of growing media should you order?
- 4) What will be the total cost of the growing media?
- 5) What will be the cost per pot of growing media?

- A. 1. 1,800  
2. 3,600  
3. 50  
4. \$992.50  
5. \$0.55

- B. 1. 100  
2. 200  
3. 6  
4. \$119.10  
5. \$0.60

- C. 1. 1,440  
2. 4,320  
3. 120  
4. \$2,832  
5. \$1.97

- D. 1. 1,800  
2. 5,400  
3. 50  
4. \$992.50  
5. \$0.55

### **Suggested Final Spacing for Pinched, Multibloom Poinsettias**

Pot size (inches)	Number of cuttings per pot	Spacing on center (inches)	Bench area per pot (square feet)
8	3	19 × 19	2.5
7	2	17 × 17	2.0
6	2	15 × 15	1.5
6	1	14 × 14	1.3
5	1	12 × 12	1.0
4	1	8 × 9	0.5

## Number of Pots that can be Filled from 1 Cubic Foot of Root Medium

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Pot Size (inches)

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Number/ft<sup>3</sup>

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### Standard Type

2 <sup>1</sup> / <sub>4</sub>	296
2 <sup>1</sup> / <sub>2</sub>	176
3	120
4	44
5	24
6	14
7	9
8	5.6
12	1.6

### Azalea Type

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4	64
5	32
6	18
6 <sup>1</sup> / <sub>2</sub>	15

### Low Pan

5	40
6	31
7	14

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