

# 2005 FFA Floriculture Career Development Event Problem One Resources

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**Special  
Price \$2.95**

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*Dave's Indoor & Outdoor*  
All Purpose Plant Food

Net Wt. 2 Lbs. (908g)

Guaranteed Analysis 19-6-12

Total Nitrogen (N).....	19%
10% ammoniacal Nitrogen	
9% Nitrate Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	6%
Soluble Potash (K <sub>2</sub> O).....	12%
Boron (B).....	0.02%
Copper (Cu).....	0.07%
0.07% water soluble Copper (Cu)	
Iron (Fe).....	0.15%
0.15% Chelated Iron (Fe)	
Manganese (Mn).....	0.15%
0.15% Chelated Manganese (Mn)	
Molybdenum (Mo).....	0.0005%
Zinc (Zn).....	0.06%
0.06% Water Soluble Zinc (Zn)	

Derived from: Ammonium and Potassium Phosphates, Ammonium Molybdate, Boric Acid, copper sulfate, Iron EDTA, Manganese EDTA, Urea and Zinc Sulfate.

**Caution:** Do not swallow. Keep out of reach of children and pets.

Fill is by weight, not volume. Variations in color and form will not change effectiveness.

Hardening may occur when exposed to moisture. Contains coloring. Avoid spilling. Keep packet tightly closed.

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**Fertilizer calculation formula:**       $\frac{\text{desired ppm} / 75}{\text{Decimal fraction of desired nutrient in fertilizer}} = \text{oz. of fertilizer per 100 gal.}$

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## Problem Two Resources

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Retailer's Markup Chart<sup>1</sup>

Wholesale Cost per flower	100 % markup	150% markup	200% markup	250% markup	300% markup	350% markup	400% markup
0.20	4.80	6.00	7.20	8.40	9.60	10.80	12.00
0.21	5.04	6.30	7.56	8.82	10.08	11.34	12.60
0.22	5.28	6.60	7.92	9.24	10.56	11.88	13.20
0.23	5.52	6.90	8.28	9.66	11.04	12.42	13.80
0.24	5.76	7.20	8.64	10.08	11.52	12.96	14.40
0.25	6.00	7.50	9.00	10.50	12.00	13.50	15.00
0.26	6.24	7.80	9.36	10.92	12.48	14.04	15.60
0.27	6.48	8.10	9.72	11.34	12.96	14.58	16.20
0.28	6.72	8.40	10.08	11.76	13.44	15.12	16.80
0.29	6.96	8.70	10.44	12.18	13.92	15.66	17.40
0.30	7.20	9.00	10.80	12.60	14.40	16.20	18.00
0.31	7.44	9.30	11.16	13.02	14.88	16.74	18.60
0.32	7.68	9.60	11.52	13.44	15.36	17.28	19.20
0.33	7.92	9.90	11.88	13.86	15.84	17.82	19.80
0.34	8.16	10.20	12.24	14.28	16.32	18.36	20.40
0.35	8.40	10.50	12.60	14.70	16.80	18.90	21.00
0.36	8.64	10.80	12.96	15.12	17.28	19.44	21.60
0.37	8.88	11.10	13.32	15.54	17.76	19.98	22.20
0.38	9.12	11.40	13.68	15.96	18.24	20.52	22.80
0.39	9.36	11.70	14.04	16.38	18.72	21.06	23.40
0.40	9.60	12.00	14.40	16.80	19.20	21.60	24.00
0.41	9.84	12.30	14.76	17.22	19.68	22.14	24.60
0.42	10.08	12.60	15.12	17.64	20.16	22.68	25.20
0.43	10.32	12.90	15.48	18.06	20.64	23.22	25.80
0.44	10.56	13.20	15.84	18.48	21.12	23.76	26.40
0.45	10.80	13.50	16.20	18.90	21.60	24.30	27.00
0.46	11.04	13.80	16.56	19.32	22.08	24.84	27.60
0.47	11.28	14.10	16.92	19.74	22.56	25.38	28.20
0.48	11.52	14.40	17.28	20.16	23.04	25.92	28.80
0.49	11.76	14.70	17.64	20.58	23.52	26.46	29.40
0.50	12.00	15.00	18.00	21.00	24.00	27.00	30.00
0.51	12.24	15.30	18.36	21.42	24.48	27.54	30.60
0.52	12.48	15.60	18.72	21.84	24.96	28.08	31.20
0.53	12.72	15.90	19.08	22.26	25.44	28.62	31.80
0.54	12.96	16.20	19.44	22.68	25.92	29.16	32.40
0.55	13.20	16.50	19.80	23.10	26.40	29.70	33.00
0.56	13.44	16.80	20.16	23.52	26.88	30.24	33.60
0.57	13.68	17.10	20.52	23.94	27.36	30.78	34.20
0.58	13.92	17.40	20.88	24.36	27.84	31.32	34.80
0.59	14.16	17.70	21.24	24.78	28.32	31.86	35.40
0.60	14.40	18.00	21.60	25.20	28.80	32.40	36.00

<sup>1</sup>Determine the markup you want to charge. This chart will give you the price per dozen.

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## Problem Three Resources

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

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Pot Size (inches)	Number/ft <sup>3</sup>
<b>Standard Type</b>	
2 1/4	296
2 1/2	176
3	120
4	44
5	24
6	14
7	9
8	5.6
12	1.6
<b>Azalea Type</b>	
4	64
5	32
6	18
6 1/2	15
<b>Low Pan</b>	
5	40
6	31
7	14

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