

Influence of Fertilizer Sources, and Rates on Growth, Flowering, and Quality of Herbs

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Objective:

Determine the growth, flowering, and quality of herbs treated with 3 controlled release fertilizer sources and 6 rates

Materials and Methods:

Herbs – 2 species: [Thyme 'Narrow Leaf French'](#) and [Rosemary 'Salem'](#)

Plants started from plugs in 2.5" pots and potted up into 2 gallon pots with pro-mix BX - biofungicide

Grown in full sun, checked daily for watering, and measured for growth three times over the summer

Treatments:

Factorial experiment = 3 X 6 with 6 replications per treatment combination

Fertilizer sources

1. McGeary Organics Horticultural 5-3-4 (30 days) - applied monthly - 4 applications May-Aug
2. Nutricote 13-13-13 (100 days) 1 application
3. Osmocote Plus 15-9-12 (3-4 month) 1 application

Fertilizer rates:

0 (control), 6, 12, 18, 24, 30 grams surface applied per 2 gallon pot