Protocol Information

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USDA NRCS
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Plant Materials Program

Corvallis
Plant Materials Center

Corvallis, Oregon

Family Scientific Name:	**Gentianaceae**
Family Common Name:	**Gentian family**
Scientific Name:	*Gentiana sceptrum* **Griseb.**
Common Name:	**king's sceptor gentian**
Species Code:	**GESC**
Ecotype:	**Seeds were collected from Lane Co., Oregon near Eugene**
Propagation Goal:	**Plants**
Propagation Method:	**Seed**
Product Type:	**Container (plug)**
Pre-Planting Treatments:	**Seeds were sown into cone-tainers filled with Sunshine # 1 (a soil-less, peat-based media) amended with micro-nutrients (Micromax) and a slow-release fertilizer (Osmocote 14-14-14). Flats were covered with polyethlene bags and placed in the walk-in cooler for 90-days. After stratification, the flats was placed in a greenhouse set at modest temperatures (70 degree days/50 degree nights). Sparse gerination occured 6 weeks after removal froms the cooler. A control flat was left outside over winter good germination was noted in the spring. One flat was placed directly in the greenhouse after being sown.This flat had zero germination.**
Establishment Phase:	**Seedlings grew slowly in the spring.**
Active Growth Phase:	**A small basal rosette was produced the first summer.**
Hardening Phase:	**Plants appeared to go dormant in fall, the basal leaves turning purple. In late fall, new shoots emerged and basal leaves withered.**
Other Comments:	**This plant probably needs light, and flucuating temperatures durring stratifcation to break seed dormancy.**

Citation:

Bartow, Amy L. 2004. Propagation protocol for production of container *Gentiana sceptrum* Griseb. plants; Corvallis Plant Materials Center, Corvallis, Oregon. In: Native Plant Network. URL: http://www.nativeplantnetwork.org (accessed 19 October 2006). Moscow (ID): University of Idaho, College of Natural Resources, Forest Research Nursery.