Resource Summary Report

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Donald Danforth Plant Science Center Plant Growth Core Facility

RRID:SCR_024902
Type: Tool

Proper Citation

Donald Danforth Plant Science Center Plant Growth Core Facility (RRID:SCR_024902)

Resource Information

URL: https://www.danforthcenter.org/our-work/core-facilities/plant-growth/

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Description: Core offers scientists variety of advanced plant growth spaces and expert horticultural services.This includes Greenhouse Complex,Growth Chamber facility and Headhouse space. Greenhouses are designed for cultivation and containment of research crops, including regulated and protected plant materials.All greenhouses are environmentally controlled for temperature, humidity and light levels, and have automated irrigation and nutrient delivery capability using Argus Control Systems. Many houses have 14 to 20 ft sidewalls for growing taller crops, as well as in-floor heating, height-adjustable light canopies and automated irrigation capabilities. Over 95% of the greenhouse complex utilizes high intensity, energy-efficient horticultural LED lighting. Plant Growth Facility has multiple special-use work spaces including potting areas, seed processing, seed storage coolers, plant dry-down and soil handling rooms, autoclave, fertigation/utility rooms, as well as general storage space.Core is also responsible for managing Seed Storage coolers housing Danforth Center Institutional Seed Collection.

Synonyms: , Donald Danforth Plant Science Center DDPSC Plant Growth Facility, DDPSC Plant Growth Facility

Resource Type: access service resource, core facility, service resource

Keywords: ABRF, plant growth services, horticultural services, seed storage,

Availability: Open

Resource Name: Donald Danforth Plant Science Center Plant Growth Core Facility

Resource ID: SCR_024902

Alternate IDs: ABRF_2607

Alternate URLs: https://coremarketplace.org/?FacilityID=2607&citation=1

Record Creation Time: 20240120T050237+0000

Record Last Update: 20260905T133444+0000

Ratings and Alerts

No rating or validation information has been found for Donald Danforth Plant Science Center Plant Growth Core Facility.

No alerts have been found for Donald Danforth Plant Science Center Plant Growth Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Harris ZN, et al. (2026) A leaf phenomics approach for estimating belowground traits in North American licorice. American journal of botany, 113(5), e70198.

Murphy KM, et al. (2025) Excessive leaf oil modulates the plant abiotic stress response via reduced stomatal aperture in tobacco (Nicotiana tabacum). The Plant journal : for cell and molecular biology, 121(6), e70067.

Ballenger J, et al. (2025) Raspberry Pi-powered temperature monitoring of growth chamber microclimates. Applications in plant sciences, 13(5), e70022.

Ricono A, et al. (2025) Homoeolog expression divergence contributes to time of day changes in transcriptomic and glucosinolate responses to prolonged water limitation in Brassica napus. The Plant journal : for cell and molecular biology, 121(4), e70011.