

HORTICULTURE





Collections & nursery

In 2008, an accession of 2,702 species from domestic and abroad were added up to XTBG's living collections, of which 1,641 from China and 1,061 from abroad. 5,207 specimens of 2,537 introduced species were mounted.

In the nursery, gardeners propagated and grew more than 9200 individuals of 683 species for display across the garden.

In wild ginger collection, about 1,000 new plants of 70 species in Zingiberaceae and Costaceae were added and 800 plants of 57 species were transplanted.



The nursery



XTBG staffs are working on the newly introduced plants

Phenological observation

Phenological information on the growth and flowering of 1,902 species were monitored and documented weekly. Annual growth of 3,795 plants (1,345 species) were observed and documented.



The nursery

Data management and digital garden system

Digital garden system (DGS) in XTBG is composed of plant information database (PIDB), outdoor-information collect system (ODCS) and geographic information system (GIS). The establishment of DGS provides an important platform for the plant information management and share so as to facilitate the scientific research.

Precise plant positions in 10 collections have been added to the database, including the wild orchid garden, ginger garden, and arum garden.



Locating trees



Planting map

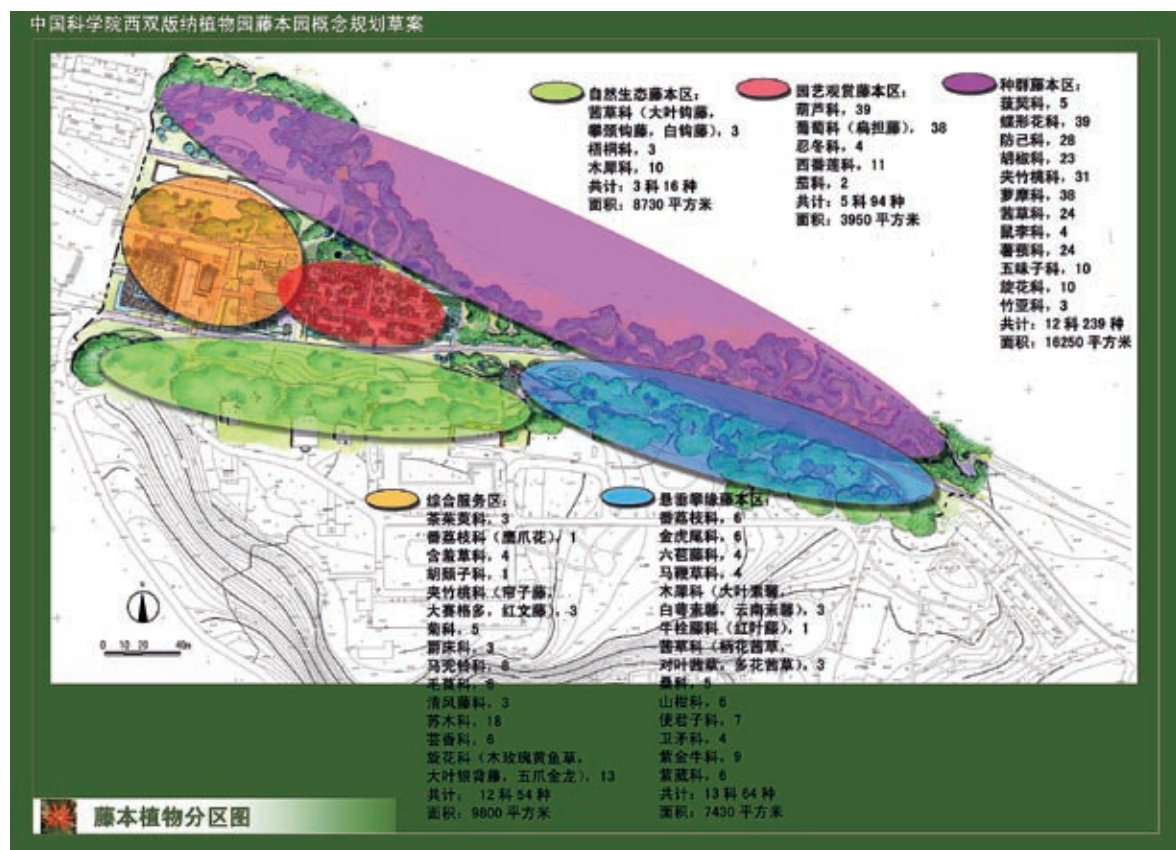


Landscape design

The third-phase knowledge innovation program “Landscape Optimization of Tropical Living Collections” launched in 2008 and it is in smooth development. Design for a number of collections, including vine garden, energy plants collection, wild edible plant collection, collection of typical tropical plant species, riverside seasonal rainforest plants collection, and a 23-ha nursery, was completed. Plants chosen for these collections have been introduced, or propagated.



A bird's-eye view of the new 23-ha nursery



The conceptual design of vine garden