

Discussion on the construction of ecological Garden City

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Abstract: article on the concept of ecological gardens , and its characteristics are demonstrated and elaborated , further explore the key points of ecological garden construction

Keywords: Eco Garden ; concept ; feature ; features

1. The concept of an eco-garden City

Eco-Gardens are the experiences of inheriting and developing traditional gardens , Compliance Ecological principles include natural environment and social environment, through mutual symbiotic , eco-bit , species diversity , competition , Chemical Mutual effect etc , Build multi-level , Multi-structure , Multifunction , Science Plant Community , Create human , animal , Plant-associated New Order , reaching ecological beauty , scientific beauty , Cultural beauty and artistic beauty . Applied Systems Engineering Development Garden , make ecology , Social and economic benefits synchronized development , Implementing benign loops , Create cleaner for humans , Graceful , The ecological Environment of civilization . with the appropriate the livable Environment is an ecological garden City .

2. Understanding and suggestions for eco-garden cities

Comparison of the work of ecological garden cities between China and the world late . 1992 year , The Ministry of Construction in the nationwide development of Garden City Build Activities , Year 9 Month create eco-Garden City No. call , but , in relation to the relevant ecological landscape information , due to our eyes The IS relatively late in the previous , All aspects of the presentation are relatively general , also only is generalities , most to Eco-Garden City Understanding still stays on ambiguous , appearance , -aware level , has not yet formed a clear ,, Concepts Understanding . under eco-Garden construction , talking about personal views and suggestions .

2.1 eco-garden cities have a certain integrity and stability

It has an ecologically rational structure , has a reasonable time knot construct , space structure and nutrition structure , to form a harmony with the surrounding environment of the EC _ body . is based on its established independent stable state , to show its unique functionality in the environment , For example in throttling climate ,adsorption toxic gas , Clean Air , , attenuation noise, etc. table show Exceptional .

within a certain limit , to a certain extent without affecting itself in the case of , by self-adjustment , Self-control , to outer ring

and surrounding things violate , violates the resulting _ Resilient adjustment work With , to take off , can still achieve healthy and benign implementation of biological features and health Life Activities .

2.2 eco-garden cities should have diversity and uniformity

persists Heaven and Man in oneness , people-oriented Principles , To show people and rings border , history , culture , Landscape Harmony Unified . to build human activities build , Environment and

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historical humanistic landscape organically combined , form a Large system .

as an ecosystem , is not just a constituent community , should also have Animal Community , Microbial Community , This is a complete ecosystem. Unified , and a community can form a mutual use , reciprocal total The chain of the life cycle . internal and external systems in the system line the flow and complement of energy and resources , Digest and import . plant Communities , Organic combination of animal communities and microbial communities , with outside (human , around buildings ,Environment Live in harmony, constitute a unify . so , While embodying the diversity of eco-gardens , also The gives its integrity as a system .

at the same time , due to biological diversity , also embodies biological control of the features , The main means to realize ecological Garden City construction . throughallelopathy of biology , free competition , form a good , Continuous development eco-system .

Ecological Construction in recent years , There is a long forest cover around full extension , but , forest diseases and insect pests also occur , sometimes very to a large area of breeding and reproduction, repeatedly more than . the reason for this is the multi-party face but must also acknowledge , because of tree enlargement , the and the corresponding bird class and animals with insect food do not have the same corresponding vigorously introduce , all the way to create an insect's one-way ,, Live without restriction , have has a great relationship with . establish , healthy multi-species community is particularly the is important .

so , Ecological Gardens are based on the primary conditions of plant communities , but also cannot evaluate and meas-

ure ecological gardens (next goto 128 page)

Plant or move to other nursery plants , to enlarge the planting area . saplings density is greater in scatter or ditch drills , Dingmiao spacing Some of the sun shines to the ground . , And, of course, The root determines the size and cultivation of the plant .

3. porting

3.1 seedling and planting

According to the different characters and habits of flowers , can be divided into ball with Earth start and bare root two ways . for bare-root seedlings to be used for seedlings and easy to survive Miao , at the beginning of the seedling , to keep as many good roots as possible the system and part Suttur . When the seedlings are bare -rooted,, best place bare root on mud paste , to extend the life of the fibrous root . open field grass flowers generally without earth ball , or with more than one heart. , But loose sand is easy to loosen , as Long traffic , Outsourcing plastic film , Small Calceolaria or consolidated with clay , near The short distance is only with a heart or a muddy water . perennial flowers plant after planting , is typically also bare root planting .

3.2 porting time and planted management

porting is generally good before spring germination , such as open bed or cold bed seeding seedlings , general in true leaves 5~6 slices , especially its harder to migrate ,more advanced . saplings best for Cloudy day , High survival rate of transplant before rainfall . for one day , early neither morning nor morning is suitable for transplanting ,unless it is off-basin transplant , Otherwise should be late, pass _ night's slow seedling , Restore root system to water absorption , anti-dimming . After transplanting, the soil will be pressed in the surrounding soil. , then immediately irrigation , seedlings better use watering can. , large seedlings can be irrigation , Watering a The IS to be evenly absorbed . should be combined with Liangmiao for soil moisture in the future , remember Continuous irrigation , death due to lack of air in soil . . Some young saplings should also be Sauri to shade . finally should be Note flat bed due to new transplant Miao area , Several watering and other tubes after activity , violated , the bed face is uneven , including steps , both be flat in time.

4. Irrigation

Open field flowers can get the required moisture from rain , but the on rainy time , especially in dry season when

rain is missing , to grow negative , So irrigation is the key to flower cultivation in open field .

4.1 How irrigation works

One is flow border irrigation . in North China dry and flat area more Use this method . The advantage is less device cost , Irrigation sufficient . The disadvantage of the is that the fill Ease the surface hardening , Uneven amount of water is not evenly distributed .

Two is rubber hose for water irrigation . applies to small area planting to , such as flower beds , seedbed etc .

Three is sprinkler irrigation . Sprinkler irrigation also called artificial rainfall , is relying on mechanical water lead to water pipe , then connect the nozzle to the hose ,water from the nozzle into thin small raindrop irrigation . generally has move , fixed and semi-fixed three kinds .

4.2 Water for irrigation

Water quality of water used for irrigation , generally use soft water as a good , such as the River Water is best , next to pond Water and lake and non-alkaline wells . spring , ditch water rich in nutrients , High water temperature should use . tap water is limited to when no more water is available , small area irrigation for flower beds and lawns .

4.3 the number of irrigation times , volume and Time

the number of irrigation times , The amount of water and time is mainly based on the season , Soil , Flower The is different from the ou type and growing period .. other ,open field seeding bed seedlings , due to small plants , to use a fine eye watering can spray , without irrigation , Otherwise the seedling will be washed down by the hydraulic assembly and the soil dirt stains The Blades . anyway , Irrigation should be based on local climate and other conditions of flexible control of the

unique metric for Cities , should also move the things , birds , Living conditions and mechanisms of microorganisms as necessary supplement and reference .

4.4 eco-garden cities should be sustainable and permanent

from the constituent plant individual , to have Joe , pour , Forest species , form multiple tree species , Multi-variety layer structure ; Plant dominance Tree species ,associated tree species and corresponding vegetation type ; and the tree itself includes all age natural wood ; The plant communities and animals that make up the system Community , Microbial communities compete with each other , and and interdependent , form a free competition in retirement. at the same time , as Animal and Carrier of other organisms , can also be used as its breeding , habitat , appropriate Home . as a species to reflect the young , ,, third intersection stack , Truly self-updating capabilities ,to achieve human harmony with nature ,

Healthy Development .

4.5 eco-garden cities should embody security and reliability

Local conditions , Suitable tree is the foundation of Ecological Garden construction . no , only maximize tree survival , Prevent excessive waste , same , is also compliant with the law of nature , Prevent soil erosion , Soil Improvement The most direct and effective means .

because of the diversity of ecological gardens , stability and persistence , more highlighting the safety of ecological Gardens , Its environmental pollution , climate change warm , Frequent natural disasters , Heat island effect , Haze Weather , and foreign The species invasion and other aspects highlight its unique efficacy . to nature over cross and implement forward succession of community , has a role to play . real now entire ecosystem toward health , Benign track development and creation the Safe and comfortable habitat has a significant role to play .