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
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. throughhallelopathy 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 measure 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 Sutur. 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.