



BAMBOO spirit

Bamboo Catalogue



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Plugs

Plugs are cultured from tissue culturing and not from seeds. This allows us to get the best genetic material with the best selected characteristics. Thus all the plants will be the same and not different as when you use seeds.

The plugs are +/- 30cm tall and will require to be replanted into 2,5 liter bags filled with, preferably river sand and added Bio ganic(Pure natural organic fertilisation based on mature chicken manure) to the soil mixture. Each plant needs at least 150 - 200ml of water every 2-3 days to keep them moist. The roots can take up to 10 months to strengthen, before it can be replanted into bigger bags or planted in a plantations.

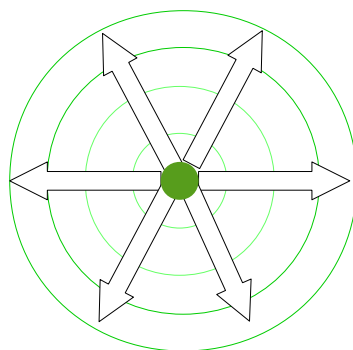
Pros.: Using plugs helps the plant to adjust to the climate easier. It is more cost effective transport wise and you can be part of the nurturing of the bamboo in your own nursery.

Cons.: It will take up to 10 months before you can plant the plug in the garden or farmland.



Clumpers

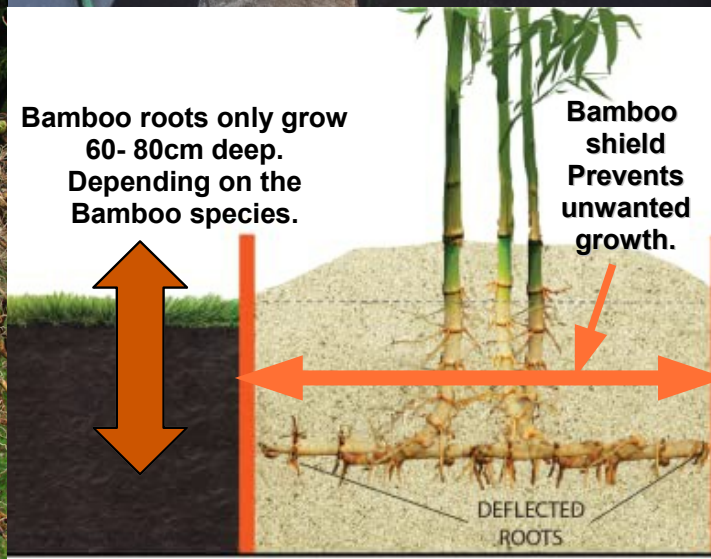
Clumping bamboos have a very short root structure, are genetically incapable of expanding more than a few centimeters a year and will generally form discrete circular clumps. They will form from the center and grow shoots on the outside. The clumps slowly enlarge as new culms emerge every year, but may ultimately need to expand to anywhere from a 15 cm to +/-3 m radius.



Minimum Tempretures	Bamboo Height	Barrier Minimum Size
-15 °C - 5 °C	<7m	1.5mm thick x 61cm deep
> 5 °C - 10°C	<7m	1.5mm thick x 61cm deep
> 10 °C	>7m	2mm thick x 77cm deep
> 15 °C +	>7m	2.5mm thick x 92cm deep



3.



Runners

Running bamboos (monopodial or leptomorph) are the ones that spread through the growth of long, horizontal roots, called rhizomes. With a little knowledge and proper materials, running bamboos can be effectively contained in small areas and in a less expensive and more holistic approach for large scale plantations.

For open land or rehabilitation of mine land this can be a less expensive solution to stop erosion, bring back the balance to the soil, provide food for animals and humans, provide microbes, fungi, provide compost through the falling leaves, fix the water table, create work and give a carbon negative result.

An all in one solution.

NB: However if left unmanaged, runners can take over indigenous habitats and destroy them. Please plan with foresight and don't plant runners in places where they cannot be managed.



Bambusa balcooa

Species	Bambusa balcooa
Clumper or Runner	Clumper
Height / diameter / Internode	15 - 25 m / 2.5 – 10 cm / 20 - 40 cm
Color / Leaf length / Branch	Silver brown / 6 - 30 cm / several to many
Potted/Garden/Commercial	Garden or Commercial
Minimum Temperatures / Climate	-5°C / Tropical wet
Water needed yearly / Altitude / soil / pH	600 – 5 000 mm / 0 – 600 m, prefer heavy texture soil / pH 5.5 - 7.0
Uses	Young edible shoots, leaves for fodder, building material, mats, baskets, pulp, scaffolding, panels, windbreaker, furniture, suitable for biomass, charcoal and energy charcoal production.



Bambusa blumeana

Species	Bambusa blumeana / Spiny or Thorny Bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	up to 25 m / up to 20 cm / 25 - 60 cm
Color / Leaf length / Branch	Green / 15 cm / spine-like from all nodes
Potted/Garden/Commercial	Garden or Commercial
Min-Max Temperatures / Climate	-2°C – 37°C / Tropical humid
Water needed yearly / Altitude / soil / pH	600 – 5 000 mm / 0 – 600 m, prefer heavy texture soil / pH 6.0 - 7.5
Uses	Young edible shoots, leaves for fodder, building material, mats, baskets, pulp, scaffolding, panels, windbreaker, furniture, suitable for biomass, charcoal and energy charcoal production.



Bambusa multiplex

Species	Bambusa multiplex Hedge bamboo, Chinese dwarf bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	2.2 to 9 m / 1 – 4 cm / 30 - 50 cm
Color / Leaf length / Branch	Green / 7 - 12 cm / 20 or more each node
Potted/Garden/Commercial	Potted / Garden / Commercial
Min-Max Temperatures / Climate	-8°C but it does not like periods of prolonged cold / Tropical wet to dry
Water needed yearly / Altitude / soil / pH	Up to 2 000 mm / 0 – 1 500 m / varies / pH 6.0 - 7.0
Uses	Hedges, and wind breakers. Ornamental and pot plant. The culms are often used as umbrella handles, fishing poles, handicrafts.



Bambusa multiplex "Alphonse Karr"

Species	Bambusa multiplex "Alphonse Karr" Hedge bamboo, Chinese dwarf bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	2.2 to 9 m / 1 – 2 cm / 30 - 50 cm
Color / Leaf length / Branch	Yellow with green stripe Pink when young / 7 - 12 cm / 20 or more each node
Potted/Garden/Commercial	Potted / Garden / Commercial
Min-Max Temperatures / Climate	-10°C but it does not like periods of prolonged cold / Tropical wet till dry
Water needed yearly / Altitude / soil / pH	Up to 2 000 mm / 0 – 1 500 m / varies / pH 6.0 -7.0
Uses	Hedges and wind breakers. Ornamental and pot plant. The culms are often used as umbrella handles, fishing poles, handicrafts.



Bambusa multiplex "Golden Goddess"

Species	Bambusa multiplex 'Golden Goddess' Hedge bamboo, Chinese dwarf bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	2 to 5 m / 1 – 2 cm / 30 - 50 cm
Color / Leaf length / Branch	Yellow stemmed / 7 - 12 cm / 20 or more each node
Potted/Garden/Commercial	Potted / Garden / Commercial
Min-Max Temperatures / Climate	-12°C / Tropical wet to dry
Water needed yearly / Altitude / soil / pH	Up to 2 000 mm / 0 – 1 500 m / varies / pH 6.0 -7.0
Uses	Hedges, and wind breakers. Ornamental and pot plant. The strong mostly solid culms are used when young for cane woven basket making.



Bambusa oldhamii

Species	Bambusa oldhamii
Clumper or Runner	Clumper
Height / diameter / Internode	up to 20 m / 10 – 15 cm / 25 - 35 cm
Color / Leaf length / Branch	Plain green, white or yellow stripes at the base / 20 - 40 cm / on upper nodes
Potted/Garden/Commercial	Garden or Commercial
Minimum Temperatures / Climate	-10°C -- -3°C / Humid to very dry
Water needed yearly / Altitude / soil / pH	600 – 5 000 mm Tolerant to salinity & water logging. It is drought resistant and frost hardy / 0 – 1 200 m / all kind of soils / pH 6.0 - 7.5
Uses	For boat masts, poles, props, furniture, pulp, medicine, basketry, handicrafts & fencing.



Bambusa tuldooides

Species	Bambusa tuldooides / Punting Pole Bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	6 - 17 m / 3 – 5 cm / 30 -36 cm
Color / Leaf length / Branch	1-3 yellow stripes / 10 - 18 cm / few to many
Potted/Garden/Commercial	Garden or Commercial
Min-Max Temperatures / Climate	- 7°C / Temperate to tropical
Water needed yearly / Altitude / soil / pH	1500 mm to >3000 mm / 0 – 1 200 m, best 500 – 1 000 / pH 5.5 – 7.0
Uses	Edible young shoots, scaffolding, handicraft (weaving utensils), Chinese medicine, paper fibers



Bambusa ventricosa

"Buddha Belly"

artwork: pavethenextlevel@gmail.com

Species	Bambusa ventricosa / "Buddha Belly"
Clumper or Runner	Clumper
Height / diameter / Internode	6-16 m / 2,5 cm/ 2-4 cm
Color / Leaf length / Branch	Evergreen, swollen/ bulging internodes. Deep dark green- Maturing Yellow-green / 7-12 cm / starts higher up
Potted/Garden/Commercial	Potted / Garden / Commercial
Min-Max Temperatures / Climate	-5°C / Tropical wet till dry
Water needed yearly / Altitude / soil / pH	Up to 1 500 mm / 0 – 2 000 m / Loam / pH 6.0 – 7.0
Uses	To produce swollen nodes, plants needs to be under potted & underwater. Used as hedges & screens.



Bambusa vulgaris "Vittata"

Species	Bambusa vulgaris vittata (yellow culm) / Common Bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	7 - 20 m / 4 – 10 cm / 20 - 45 cm
Color / Leaf length / Branch	Yellow with green stripes of different density / 6 - 30 cm / several to many
Potted/Garden/Commercial	Garden or Commercial
Minimum Temperatures / Climate	-3°C / Humid till very dry
Water needed yearly / Altitude / soil / pH	600 – 5 000 mm Tolerant to salinity & water logging. It is drought resistant and frost hardy / 0 – 1.200 m / all kind of soils / pH 6.0 - 7.0
Uses	For boat masts, poles, props, furniture, pulp, medicine, basketry, handicrafts & fencing.



Dendrocalamus asper

Species	Dendrocalamus asper / Giant Bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	15 - 30 m / 8 – 20 cm (at base) / 30 - 50 cm
Color / Leaf length / Branch	Plain green, white or yellow stripes at the base / 30 cm / few
Potted/Garden/Commercial	Large Garden or Commercial
Minimum Temperatures/ Climate	-4°C / Tropical wet to dry
Water needed yearly / Altitude / soil / pH	1 200 - 4 500 mm / 0 – 1 500 m / any type / pH 6.0 - 7.0
Uses	Construction, furniture, basketry, handicrafts, edible young shoots and fodder. Industrial panel products, plybamboo, chopsticks, toothpicks.



Dendrocalamus hamiltonii

Species	Dendrocalamus hamiltonii
Clumper or Runner	Clumper
Height / diameter / Internode	15 to 25 m / 10 - 19 cm / 30- 50 cm
Color / Leaf length / Branch	green (old) / 15 - 40 cm / in upper portion
Potted/Garden/Commercial	Garden or Commercial
Min-Max Temperatures / Climate	-5°C - 46°C/ Sub-tropical to tropical
Water needed yearly / Altitude / soil / pH	1 000 – 2 000 mm / 200 – 1 000 m / fine texture soil / pH 6.0 – 7.5
Uses	Shoots widely used as vegetables. Culms widely used for construction & handicraft.



Fargesia angustissima

Species	Fargesia angustissima / Dwarf bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	4-7 m / 1-2 cm / 28-35 cm
Color / Leaf length / Branch	Evergreen. New culms are sheathed mid-green to a vivid purple / 2-4cm fine and narrow leaves / 5-10 per node
Potted/Garden/Commercial	Potted / Garden / Commercial
Min-Max Temperatures / Climate	-20°C / Tropical wet to dry
Water needed yearly / Altitude / soil / pH	Up to 2 000 mm / 0 – 1 300 m / Moist and deep / pH 5.5 – 7.0
Uses	Quite dense and so is excellent as a barrier or hedge.



Gigantochloa atroviolacea

Species	Gigantochloa atrovioleacea / Java Black Bamboo / Tropical Black Bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	10-15 m / 6-8 cm / 30 - 50 cm
Color / Leaf length / Branch	Very dark culms with thin green stripes / 20-28 cm / clustered branches at nodes+ 1 larger dominant branch
Potted/Garden/Commercial	Large Garden / Commercial
Min-Max Temperatures / Climate	-2°C / Tropical or subtropical climates
Water needed yearly / Altitude / soil / pH	1 500 – 3 700 mm / 0 – 1 500 m / Sandy Loam to Clay Loam / pH 5.5 – 7.0
Uses	Edible young shoots are consumed as a vegetable while the stems are used for making furniture and musical instruments.



Himalayacalamus hookerianus

Species	Himalayacalamus hookerianus / Blue Bamboo
Clumper or Runner	Clumper
Height / diameter / Internode	3-6 m / 3 cm / 15 - 20 cm
Color / Leaf length / Branch	Blue-green and covered in dense glaucous wax / 18-23 cm 2cm wide / has many equal branches
Potted/Garden/Commercial	Potted / Garden
Min-Max Temperatures / Climate	-6°C / Tropical wet till dry, semi-sheltered wind-free environment
Water needed yearly / Altitude / soil / pH	530 – 1 500 mm / 1 000 – 2 100 m / fertile, moist soils, Loam / pH 6.0 -7.0
Uses	Hedges, screens. Flowers after 50 years. Edible Uses: Seed - cooked whole or ground into a powder and used as a cereal.



Oxytenanthera abyssinica

Species	Oxytenanthera abyssinica / African mountain bamboo, is a bamboo species native to Africa
Clumper or Runner	Clumper
Height / diameter / Internode	6 -15 m / 6 - 10 cm / 20 cm
Color / Leaf length / Branch	bright green / 5 - 25 cm / in upper part
Potted/Garden/Commercial	Garden or Commercial
Min-Max Temperatures / Climate	-2°C – 35°C / Tropical
Water needed yearly / Altitude / soil / pH	> 500 - 1 000 mm / 200 – 800 m / drained & poor soil – semi arid zones, drought resistant / pH 5.5 – 7.0
Uses	Pulp, handicraft, edible shoots, fodder, weaving, basketry, building material, furniture, tapped for its juice & fermented for an alcoholic beverage or wine. Biomass, charcoal & energy.



Phyllostachys atrovaginata "Green Perfume"

artwork: pavethenextlevel@gmail.com

Species	Phyllostachys atrovaginata „Green Perfume“
Clumper or Runner	Runner
Height / diameter / Internode	6-8 m / 2 cm / 30 - 50 cm
Color / Leaf length / Branch	Evergreen / 5 - 10 cm Dark green / usually two leafy branches at each node
Potted/Garden/Commercial	Potted / Garden / Commercial
Min-Max Temperatures / Climate	-23°C / subtropical to temperate
Water needed yearly / Altitude / soil / pH	760-2 200mm / 220 m / Well suited to damp areas, ideal next to water/ pH 6.0 - 6.8
Uses	Edible young shoots, split or unsplit for weaving or crafts.



Phyllostachys aurea

Species	Phyllostachys aurea / P. Bambusdoides / Fish pole Bamboo
Clumper or Runner	Runner
Height / diameter / Internode	2 - 8 (12) m / 2 - 3 (9) cm / 10 -20 cm
Color / Leaf length / Branch	Young green, older yellow / 5 - 15 cm / arise in pairs from the middle of the culm and higher
Potted/Garden/Commercial	Garden or Commercial
Min-Max Temperatures / Climate	- 18°C / Tempered to tropical
Water needed yearly / Altitude / soil / pH	Up to 2 000 mm / 0 - 1 400 m / best on rich or sandy but well drained / pH 6.0 - 7.0
Uses	Walking sticks, umbrella, fan handles, fishing rods, furniture, construction, ornamental purposes & privacy hedges, bamboo pipes. The 'knotty' compressed lower internodes render it desirable among collectors.



Phyllostachys aureosulcata aureocaulis

artwork: pavethenextlevel@gmail.com

Species	Phyllostachys aureosulcata aureocaulis
Clumper or Runner	Runner
Height / diameter / Internode	6-8 m / 5 cm / 10 -20 cm
Color / Leaf length / Branch	Pale, golden-yellow canes, reddish when young, sometimes striped with green near the base / up to 18 cm / 2 branches emerge from each of the nodes
Potted/Garden/Commercial	Potted / Garden / Commercial
Min-Max Temperatures / Climate	- 25°C / cold hardy temperate
Water needed yearly / Altitude / soil / pH	Consistently moist but not waterlogged / Clay, Well Drained, Sand / pH 5.5 -7.0
Uses	Hedging or for grove



Phyllostachys edulis "Moso"

Species	Phyllostachys edulis „Moso“ /Tortoise-shell bamboo
Clumper or Runner	Runner
Height / diameter / Internode	7.5 - 18 m / 20 cm / 35 - 50 cm
Color / Leaf length / Branch	Evergreen, huge, upright, very thick, grey-green canes. Small, pale green leaves. Deep green at first, mature to yellow-green, then almost orange-green. / 8-10 cm L 8-10mm W/ 2 branches at the nodes with 1 slightly larger dominant branch.
Potted/Garden/Commercial	Large Garden / Commercial
Min-Max Temperatures / Climate	-20°C- -10°C / subtropical
Water needed yearly / Altitude / soil / pH	800-1 800 mm /180 – 1 600 m / fertile, humus-rich, moist, well-drained soils. Chalk, Loam. Acid, Alkaline, Neutral / pH 5.5 – 6.5
Uses	Edible shoots, timber, fencing, furniture, construction material, paper pulp, plywood, flooring, musical instruments, utensils and rayon for the textile industry



Phyllostachys bissetti

Species	Phyllostachys bissetti / Bisset's bamboo
Clumper or Runner	Runner
Height / diameter / Internode	9 – 12 m / 2.5 - 5 cm / 20 -30 cm
Color culm / Leaf length / Branch	Green with a bluish or grayish cast / 10 – 15 cm / 1 – 3 branches per node
Potted/Garden/Commercial	Garden / Commercial
Min-Max Temperatures / Climate	-20°C / Subtropical regions with moderate rainfall
Water needed yearly / Altitude / soil / pH	1 000- 1 500 mm / 0 – 2 000 m / Well-drained, fertile soil Clay, Loam, Sand / pH 6.0 – 7.0
Uses	Scaffolding, flooring, structural components, furniture, paper and pulp production, erosion control.



Phyllostachys nigra

Species	Phyllostachys nigra / black bamboo / purple bamboo
Clumper or Runner	Runner
Height / diameter / Internode	4 - 10 m / 3.5 cm / 25 - 30 cm
Color / Leaf length / Branch	Evergreen with tall, upright, polished black canes / 8 cm x 1.3 cm / 2 leafy branches at each node
Potted/Garden/Commercial	Garden / Commercial
Min-Max Temperatures / Climate	-20°C - -10°C but it does not like periods of prolonged cold / Does not tolerate wind
Water needed yearly / Altitude / soil / pH	700 – 4 500mm / 0 – 2 000 m / Fertile, humus-rich, moist but well-drained soils / pH 6.0 – 7.0
Uses	Lumber (timber), food, and musical instruments, medicine.



Pseudosasa japonica

Species	Pseudosasa japonica / Arrow bamboo / Metake
Clumper or Runner	Runner
Height / diameter / Internode	4-6 m / 2.5-5cm / 5-30 cm
Color / Leaf length / Branch	Yellow-brown culms / 25 cm, glossy deep-green, palm-like leaves / Branches 2 per node
Potted/Garden/Commercial	Garden / Commercial
Min-Max Temperatures / Climate	-20°C, frost tolerant, but it does not like periods of prolonged cold / Temperate to sub-tropical climates
Water needed yearly / Altitude / soil / pH	1 000 - 2 000 mm / 0 – 2 000 m / well-drained, consistently moist, not tolerate waterlogged, loam soil / pH 6.0- 7.0
Uses	Excellent screen or container plant, trellises, decorative garden elements, baskets, household items, edible shoots.



Semiarundinaria fastuosa

Species	Semiarundinaria fastuosa / Japanese Temple Bamboo
Clumper or Runner	Runner
Height / diameter / Internode	4-10 m / 3-4 cm / 20 - 45 cm
Color / Leaf length / Branch	Evergreen, tall and stately, branches and leaves growing closely up the whole length of the culm / 20cm cm / 3 branches per node
Potted/Garden/Commercial	Garden / Commercial
Min-Max Temperatures / Climate	-10°C but it does not like periods of prolonged cold / Semi-tropical
Water needed yearly / Altitude / soil / pH	1 500-4 000 mm / 0 – 2 000 m / Hardy to salt air in ocean environments / Clay, Dry, Well Drained, Soggy, Damp / pH 6.0 – 7.0
Uses	Crafts/building material, decorative/horticultural interest, edible shoots, erosion control/soil stabilization, open grove, privacy screen/hedge