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Medicinal and Aromatic Plants



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MEDICINAL PLANTS

ISABGOL



Botanical name : *Plantago ovata*

Family : Plantaginaceae

Methods of propagation: Seeds

Use : Seeds and husk are used. It is Diuretic. Useful in Constipation. Seeds have cooling and Demulcent effect. Cure dysentery and Diarrhea.

Description : Almost Stem less, 30-40 cm in height covered with dense or short hairy growth. Leaves are 8-15 cm long and very narrow. Flower are minute. Seed are 8 mm long and boat shaped.



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ASWAGANDHA



Botanical name : *Withania somnifera*

Family : Solanaceae

Methods of propagation : Seeds

Use : Roots(dried) of the plant consist Drugs. Useful in Sexual and general Weakness. It is diuretic means it promotes Urination. Roots powder is applied locally on ulcers.

Description :shrub up to 1.5 meters in height. Stem and branches covered with minutes star shape hair. Leaves are 10 cm long. Hairy like branches. Flowers are small(1 cm) and in Pale green colour. Fruits are 6 mm in diameter.³



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SARPAGANDHA



Botanical name: *Rauwolfia serpentina*

Family : Apocynaceae

Method of propagation : Seeds, Roots and stem cutting

Use : Roots are used in medicine. Used in hypertension. As sedative used in Asthama, useful in painful delivery of child besides controlling high blood pressure.

Description : evergreen perennial plant growing up to 0.75 m in height. Leaves are simple long elliptical, bears many flowers of white or pink colour. The root system consists of a prominent tuberous short tap root up to 6 cm diameter.⁴



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AONLA



Botanical Name : *Emblica officinalis*

Family : Euphorbiaceae

Method of propagation : Patch budding

Use : Fruits are rich source of vitamin C (600-800 mg/100g pulp). It is an important ingredient of triphala and Chayanpras. Useful against hemorrhages, diarrhea, dysentery, anemia, jaundice and cough. Fruits are commonly used as preserve pickle, candy, jelly and jam. It is also used in preparation of inks, dyes and hair oil.

Description : Hardy, deciduous tree. Phyllanthoid branching habit with two type of shoot determinate and indeterminate. The leaves are simple 1 to 2 cm long. Flowers are borne in the axils of the leaves. Fruits are capsular.



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SENNA



Botanical name: *Cassia angustifolia*

Family : Leguminaceae

Methods of propagation : Seeds

Use : Leaves and Pods are well known for Purgative medicines all over the world.

Description : It is perennial, bushy plant, height is 0.7 to 1 meter. **Leaves** are narrow glabrous leaflets. The **flowers** are brilliant yellow colour. **Pods** are black, thin contain five to seven dark brown seeds. All parts contain Senosides, in which leaves and pods contain maximum Senosides.



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AROMATIC PLANTS

LEMON GRASS



Botanical Name : *Cymbopogon flexuosus*

Family : Gramineae

Methods of propagation : Seeds and by old clumps

Uses : Leaves are used in flavours, cosmetics and perfumes

Description : Grass comes to harvest 90 days after planting and subsequently it is harvested 50-55 days interval. Grass is cut 10 cm above the ground level. 5-6 cutting are taken in a year.

Leaves are in green colour. smell its leaves by crushing , it smells like lemon(limca) and also test of leaves is like lemon(limca).



CITRONELLA GRASS

Botanical name: *Cymbopogon winteriness* (Java)

Family : Gramineae

Methods of propagation : Rooted slips in April - May

Use : Oil as bactericidal, insect repellent, medicinal use, for scenting soaps and detergents. oil contain citral(80%). used in perfumery and cosmetic industries.

Description : It is a moisture loving plant. First cutting may be ready after 4-5 month after planting and next cutting are taken at the two month intervals where atmospheric humidity is high.

Remarks : Citronella grass leaves are yellowish in colour. And smell its leaves by crushing practically on field, Citronella grass have its own fragrance. It can help to remember identification life long.



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VETIVER GRASS (KHAS)



Botanical name : *Vetiveria zizanioides*

Family : Gramineae

Methods of propagation : Slips and Tillers (June - July)

Use : Used to making vetiver Oil or Soap making. Roots are used for making Mats, Screen, Pillow and Mattresses. Roots are used in Pharmaceuticals and Ayurvedic. Oil is light yellow and contain 65 -75 % vetiver oil.

Description : It is a Perennial grass. Plant height upto 1-1.8 meters. Root portion is branching type, Spongy aromatic and Fine rootlets. It grows in large Clumps. Leaves are long, erect and narrow and non-aromatic and up to 1 meter in length.



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THANK YOU

