

PLANTS OF ECONOMIC IMPORTANCE

SL.NO	Botanical Name	Type	Family	Commercial Name
1	<i>Oriza sativa</i>	Cereals	Gramineae	Paddy (rice)
2	<i>Triticum aestivum</i>	"	"	Wheat
3	<i>Zea mays</i>	"	"	Maize
4	<i>Hordeum vulgare</i>	"	"	Barley
5	<i>Avena sativa</i>	"	"	Oats
6	<i>Secale cereale</i>	"	"	Rye
7	<i>Eleusine coracana</i>	Millets	Gramineae	Ragi(Finger millet)
8	<i>Pennisetum typhoides</i>	"	"	Bajara(pearl millet)
9	<i>Panicum miliare</i>	"	"	Little millet
10	<i>Setaria italica</i>	"	"	Italian millet
11	<i>Phaseolus vulgaris</i>	Pulse	Papilionaceae	French bean
12	<i>P. mungo</i>	"	"	Black gram
13	<i>P. aureus</i>	"	"	Green gram
14	<i>P. radiatus</i>	"	"	Red gram
15	<i>Vigna sinensis</i>	"	"	Cowpea
16	<i>Cicer arietinum</i>	"	"	bengal gram
17	<i>Dolichos lablab</i>	"	"	Hyacinth gram
17	<i>Dolichos lablab</i>	"	"	Hyacinth gram
19	<i>Arachis hypogaea</i>	"	"	Ground nut
20	<i>Lathyrus sativus</i>	"	"	Grass pea

21	<i>Cajanus cajan</i>	"	"	Pigeon pea	
22	<i>Glycine max</i>	"	"	Soyabean	
23	<i>Pisum sativum</i>	"	"	Garden pea	
24	<i>Canavalia ensiformis</i>	"	"	Jack bean	
25	<i>Cyamopsis tetragonoloba</i>	"	"	Cluster bean	
26	<i>Anacardium occidentale</i>	Nuts	Anacardiaceae	Cashew nut	
27	<i>Pistacia vera</i>	"	"	Pistachio	
28	<i>Prunus amygdalus</i>	"	Rosaceae	Almond	
29	<i>Juglans nigra</i>	"	Juglandaceae	Walnut	
30	<i>Mangifera indica</i>	Fruit	Anacardiaceae	Mango	
31	<i>Citrus aurantifolia</i>	"	Rutaceae	Lime	
32	<i>C. reticulata</i>	"	"	Mandarin	
33	<i>C. limon</i>	"	"	Lemon	
34	<i>C. maxima</i>	"	"	Shaddock	
35	<i>C. paradisi</i>	"	"	Citron	
36	<i>C. sinensis</i>	"	"	Sweet orange	
37	<i>Citrullus vulgaris</i>	"	Cucurbitaceae	Water melon	
38	<i>Litchi chinensis</i>	"	Sapindaceae	Litchi	
39	<i>Nephelium lappaceum</i>	"	"	Rambutan	
40	<i>Musa sapientum</i> <i>M. paradisiaca</i> <i>M. chinensis</i>	<i>M.</i>	"	Musaceae	Plantains banana
41	<i>Ananas sativus</i>	"	Bromeliaceae	Pineapple	
42	<i>Pyrus malus</i>	"	Rosaceae	Apple	

43	<i>P. communis</i>	"	"	Pear
44	<i>P. domestica</i>	"	"	Plum
45	<i>P. persica</i>	"	"	Peach
46	<i>Prunus avium</i>	"	"	Cherry
47	<i>Fragaria vesca</i> & <i>F. elatior</i>	"	"	Strawberry
48	<i>Psidium quajava</i>	"	Myrtaceae	Guava
49	<i>Ficus caria</i>	"	Moraceae	Fig
50	<i>Anona squamosa</i>	"	Annonaceae	Custard apple
51	<i>A. reticulata</i>	"	"	Bullock's heart
52	<i>Carica papaya</i>	"	Caricaceae	Papaya
53	<i>Punica granatum</i>	"	Punicaceae	Pomegranate
54	<i>Phoenix dactylicpera</i>	"	Palmae	Dates
55	<i>Passiflora edulis</i>	"	Passifloraceae	Grandilla
56	<i>Garcinia mangastana</i>	"	Guttiferae	Mangsteen
57	<i>Achras sapota</i>	"	Sapotaceae	Sapodilla
58	<i>Tamarindus indica</i>	"	Cesalpiniaceae	Tamarind
59	<i>Phyllanthus acidus</i>	"	Euphobiaceae	Gooseberry
60	<i>Artocarpus integrifolia</i>	"	Moraceae	Jackfruit
61	<i>Saccharum officinarum</i>	Sugar yielding plants	Gramineae	Sugar cane
62	<i>Beta vulgaris var rapa</i>	"	Chanopodiaceae	Sugar beet
63	<i>Borassus flabellifer</i>	"	Palmae	Palomyra palm

64	<i>Coffea arabica</i>	Beverage plants	Rubiaceae	Arabian coffee
65	<i>C. robusta</i>	"	"	Robusta coffee
66	<i>Camellia sinensis</i>	"	theaceae	Tea
67	<i>Theobroma cacao</i>	"	Sterculiaceae	Cocoa
68	<i>Cola nitida</i>	"	"	Cola
69	<i>Gossypium herbaceum</i>	Fiber yielding plants	Malvaceae	Cotton
70	<i>G. arboreum</i>	"	"	"
71	<i>G. hirsutum</i>	"	"	"
72	<i>G. barbadense</i>	"	"	"
73	<i>Corchorus capsularis</i>	"	Tiliaceae	Jute
74	<i>C. olitorius</i>			
75	<i>Limon um</i>	"	Linaceae	Flax
76	<i>Crotalaria juncea</i>	"	Papilionaceae	Sunhemp
77	<i>Musa textilis</i>	"	Musaceae	Manila hemp
78	<i>Cocos nucifera</i>	"	Palmae	Coir
79	<i>Cyperus tegetiformis</i>	"	Cyperaceae	
80	<i>Ceiba pentandra</i>	"	Bombacaceae	kapok white silk cotton
81	<i>Bombax malabaricum</i>	"	"	Indian kapok(red silk, cotton)
82	<i>Sesamum indicum</i>	Oil-yielding plants	Pedaliaceae	Gingelly oil
83	<i>Helianthus annuus</i>	"	Compositae	sunflower oil
84	<i>Brassica juncea</i>	"	Cruciferae	Mustard oil
85	<i>Ricinus communis</i>	"	Euphorbiaceae	Castor oil
86	<i>Arachis hypogaea</i>	"	Papilionaceae	Ground nut oil

87	<i>Olea europaeae</i>	"	Oleaceae	Olive oil
88	<i>Azadirachta indica</i>	"	Meliaceae	margosa oil
89	<i>Cocos nucifera</i>	"	Palmaceae	coconut oil
90	<i>Elaeis guinensis</i>	"	"	Palm oil
91	<i>Acacia senegal</i>	Gums	Mimosae	Gum arabic
92	<i>Vateria indica</i>	Resins	Dipterocarpaceae	White dammar
93	<i>Rhus vernicifera</i>	"	Anacardiaceae	Laequer
94	<i>Pinus acustralis P.sylvasris</i>	"	Pinaceae	Turpentine
95	<i>P.pinaster</i>			
96				
97	<i>Boswellia serrata</i>	"	Burseraceae	Frankincarve
98	<i>Canarium commune</i>	"	"	
99	<i>Abies balsaminea</i>	"	Pinaceae	Balsam
100	<i>Ferula assafoetida</i>	"	Umbelliferae	Asafoetida
101	<i>Commiphora myrrha</i>	"	Burseraceae	Myrrh
102	<i>Acacia olealbata & other spc.</i>	Tanin - yielding plants	Mimosae	Wattle
103	<i>Caesalpinia coriaria</i>	"	Caesalpiniaaceae	Divi-divi
104	<i>Terminalia belleria</i>	"	Combretaceae	belleric myrobalan
105	<i>T.chebula</i>	"	"	Chebolic myrobalon
106	<i>Hevea braziliensis</i>	Rubber yielding plants	Euphorbiaceae	para rubber
107	<i>Parthenium argentatum</i>	"	Compositae	Guayule
108	<i>Achras sapota</i>	"	Sapotaceae	Chile
109	<i>Palaquium gutta</i>	"	"	Gutta percha

SPICES OBTAINED FROM ROOTS AND UNDERGR

110	<i>Alpinia offinale</i>	Spices	Zingiberaceae	
111	<i>A.galanga</i>	"	"	Greater galangal
112	<i>Zingiber officinale</i>	"	"	Ginger
113	<i>Smilax aristolochiaefolie</i> <i>S.officinalis</i> & <i>S.regelli</i>	"	Liliaceae	Sarasaparilla
114	<i>Acorus calamus</i>	"	Arodieae	Sweet flag or Calamus
115	<i>Curcuma longa</i>	"	Zingiberaceae	Turmeric
116	<i>C.zeodaria</i>	"	"	Zodoary
117	<i>C.aromatica</i>	"	"	
118	<i>C.amada</i>	"	"	Mango ginger
119	<i>Ferula assafoetida</i>		Umbelliferae	Assafoetida

SPICES OBTAINED FROM BARK

120	<i>Cinnamomum cassia</i>	"	Lauraceae	Cassia
121	<i>C. zeylanicum</i>	"	"	Cinnamon

SPICES OBTAINED FROM FLOWERS AND FLOWER BUDS

122	<i>Eugenia caryophyllata</i>	"	Myrtaceae	Cloves
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123	<i>Crocus sativus</i>	"	Tridaceae	Saffron
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SPICES OBTAINED FROM FRUITS

124	<i>Pimenta dioica P.officinalis</i>	"	Myrtaceae	all spice
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125	<i>Capsicum annum</i>	"	Solanaceae	Paprika
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126	<i>C.frutescens</i>	"	"	Bird chillies
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127	<i>Pipiper nigrum</i>	"	Piperaceae	Pepper
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128	<i>P.longum & P.retrofractum</i>	"	Piperaceae	Long pepper
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129	<i>Illicium verum</i>	"	Illicilaceae	star anise
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130	<i>Vanilla planifolia</i>	"	Orchidaceae	Vanilla
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131	<i>Carum carvi</i>	"	Umbelliferae	Caraway
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132	<i>C.bulbecastanum</i>	"	"	Black carawat
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133	<i>C.copticum</i>	"	"	ajewan
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134	<i>Apium graveolens var dulco</i>	"	"	Celery
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135	<i>Coriandrum sativum</i>	"	"	Coriander
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136	<i>Cuminum cyminum</i>	"	"	Cumin
137	<i>Anethum graveolens</i>	"	Umbelliferae	Dill
138	<i>Foeniculum vulgare</i>	"	"	Fennel
139	<i>Garcinia cambogia</i>	"	Guttiferae	Gemboge
140	<i>Tamarindus indica</i>	"	Caesalpinaceae	Tamarind
141	<i>Punica granatum</i>	"	Punicaceae	Pomgranato

SPICES OBTAINED FROM SEEDS

142	<i>Elettaria cardamomum</i>	"	Zingiberaceae	Cardamum
143	<i>Myristica fragrans</i>	"	Myristicaceae	Mace
144	"	"	"	Nutmug
145	<i>Trigonella foenum-graecum</i>	"	Papilionaceae	Fenugreek
146	<i>Brassica hirta</i>	"	Cruciferae	White mustard
147	<i>B. nigra</i>	"	"	Black mustard
148	<i>B. juncea</i>	"	"	Indian mustard
149	<i>Amomum aromaticum</i>	"	Zingiberaceae	Bengal cardamom

SPICES OBTAINED FROM LEAVES

150	<i>Melissa officinalis</i>	"	Labiatae	Balm
151	<i>Ocimum basilicum</i>	"	"	Sweet basil
152	<i>Mentha spicata</i>	"	"	Spearmint
153	<i>M. piperita</i>	"	"	Peppermint

153	<i>M. arvensis</i>	"	"	Mint
154	<i>Gautheria procumbens</i>	"	Ericaceae	Wintergreen
155	<i>Murraya keeingii</i>	"	Rutaceae	Curry leaf
156	<i>Ruta graveolens</i>	"	"	Rue

OTHER SPICES AND FLAVOURING MATERIALS

157	<i>Allium sepa</i>	"	Liliaceae	Onion
158	<i>A. sativum</i>	"	"	Garlic
160	<i>A. schoenopsum</i>	"	"	Chives
161	<i>A. fistulosum</i>	"	"	Leek

MEDICINAL PLANTS

			FAMILY	COMMERCIAL NAME
162	<i>Glycyrrhiza glabra</i>	"	Papilionaceae	Liquorice or sweet wood
163	<i>Homidesmus indicus</i>	"	Asclepiadaceae	indian sarsaparilla
164	<i>Rauwolfia serpentina</i>	"	Apocynaceae	Serpentine , serpent wood, "Sarpagandhi"
165	<i>Withania somnifera</i>	"	Solanaceae	Ashwagandha "Amukkiram"
166	<i>Colchicum luteum</i>	"	Liliaceae	Colchicum
167	<i>Cinchona calisays</i> <i>C. robusta</i> <i>C.ledgerioms</i>	"	Rubiaceae	Qinine
168	<i>Saraca indica</i>	"	Caesalpiniaceae	Asoka tree

DRUGS OBTAINED FROM STEMS AND WOODS

169	<i>Acacia catechu</i>	"	Mimosae	Catechu
170	<i>Santalum album</i>	"	Santalaceae	Santal wood

DRUGS OBTAINED FROM LEAVES

171	<i>Adathoda vasica</i>	"	Acanthaceae	Vasaka	
172	<i>Eucalyptus globulus</i>	"	Myrtaceae	Tasmanian blue gum	
173	<i>Ocimum sanctum</i>	"	Labiatae	holy basil	
174	<i>Azadirachta indica</i>	"	Meliaceae	Neem	
175	<i>Digitalis purpurea</i>	"	Scrophulariaceae	Digitalis	
176	<i>Datura stramonium</i>	"	Solanaceae	Stramonium	
177	<i>Cassia acutifolia & angustifolia</i>	C.	"	Caesalpiniaceae	Sonna

178	<i>Artomisia cina</i>	"	Compositae	Santonin
179	<i>Erythroxyton coca</i>	"	Linaceae	Cecaine
180	<i>Boerhaavia diffusa</i>	"	Nyctaginaceae	Hegwood
181	<i>Cannabis sativa</i>	"	Cannabinaceae	cannabis homp

DRUGS OBTAINED FROM FRUITS

182	<i>Aegle marmelos</i>	"	Rutaceae	bael
183	<i>Emblica officinalis</i>	"	Euphorbiaceae	Emblie
184	<i>Papaver somniferum</i>	"	Papaveraceae	Opium

DRUGS OBTAINED FROM SEEDS

185	<i>Strychnos nuxvomica</i>	"	loganicaceae	Nux-vomica
186	<i>S. potatorum</i>	"	"	Clearing nut

DRUGS OBTAINED FROM ALL PARTS OF PLANTS

187	<i>Solanum xanthocarpum</i>	"	Solanaceae	indian solanum
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DRUGD OBTAINED FROM LOWER PLANTS

188	<i>Gelidium</i> <i>Euclidean</i>	<i>Gracilaria</i>	"	Rhodophyceae	agar-agar
189	<i>Macrocystis</i> <i>Nereocystis</i>	<i>Laminaria</i>	"	Phacophyceae	kelp

190	<i>Pencillium notatum</i>	"	Ascomycetes	Pencillin
191	<i>Streptomyces griseus</i>	"	"	Streptomycin
192	<i>S.remosus</i>	"	"	Terramycin
193	<i>Claviceps purpurea</i>	"	Fungi imperfecti	Ergot
194	<i>Agaricus campestris</i>	"	Agaricaceae	Mushrooms
195	<i>Polyporus offinale</i>	"	Polyporaceae	Larch agaric
196	<i>Parmelis sp.</i>	"	Lichen	
197	<i>Adiantum lunulatum</i>	"	Polypodiaceae	
198	<i>Lycopodium sp.</i>	"	Lycopodiaceae	

INSECTICIDES AND RATICIDES

199	<i>Chrysanthemum cinerariaefolium</i>	"	Compositae	Pyrethum
200	<i>Derris & Lenchocarpus</i>	"	Leguminosae	Rotenone
201	<i>Derris elliptica & D.trifoliata</i>	"	"	Derris
202	<i>Urginea maritima</i>	"	Liliaceae	red squill

Vernacular Name	Uses	Notes
Nellu or Ari	Rich in starch Staple food used in a variety of ways	Chiefly by the tropical countries
Gothambu Cholam	" Rich in starch As food and in the manufacture of alcoholic beverages As food	Temperate countries
Koovaragu	Food	
Kampam	food	
Chama	food	
Thina	food	
eans	Vegetable	
Uzhunnu	As food	
Cherupayaru	As food	
Vanpayaru	As food	
Achinga	As food	
Kadala	As food	
Amara	vegetable	
Amara	vegetable	
Nilakadala	food and as oil yielding	
Khesari	"	

Thuvara "

"

As food

Valaripayaru Vegetable

Kothavara Vegetable

Kashuvandi As food

Pista As food

Badam As food

As food

manga

Cherunaranga

Orange

Odichukuthi naranga

Bamblusa

Vadugappuli

Musambi

thanimathan

Mullanpazham

Kaithachakka

Kappi	Stimulating drink	seeds
"	"	"
	"	From the leaves
	Chocolate	From seeds
	"	"
Paruthi		Outgrowth from the seedcoat
		"
		"
		"
Chanam	in making carpets, sacs, etc	Bast(phloem) fibres. From the stem
Linen		From the stem bast
	Rope, twine, handicrafts	From the leaf stalk
		From the fruit-fibrous mesocarp stem
	Mats	
	filling	from the fruitwall
	"	"
Eellanna	Edible	from the seed
	"	"
Kadukenna	"	"
	Industrial & medicinal	from the seed
Nilakkadala	edible	from the seed

	Cosmetics & in medicine	from the puls
Veppenna	Medicinal	from the seed
		from endosperm
	edible	from mesocarp
Thalli	Varnish	from the bark
	"	"
	Medicine and varnishes	Oleo resin
Kunthirikam	medicines and perfume	
Sambrani	"	
	in histological studies	
Kayam	medicine and spice	gum resin from the root
	"	gum resin from the stem
		bark
		fruit
thanimathan		fruit
Kadakku		"

Chewing gum

insulation

JUND STEMS

	in cooking , in medicine,for flavouring liquors and bitters	rhizoid
Malayinji	"	"
Inji	in cooking,in medicine,as a carminative & stimulant for flavouring beverages	rhizome, a non- volatile oleoresin gingerin
	for flavouring	dried roots , climbing vine
Vayambu		
manjal	flavour & colour pickles,curries & as a dye stuff in blood purifier in cosmetics	rhizome,volatile oil consists of turmerenes
	for flavouring liquors , in cosmetics & in medicines	dried rhizome
Kasturimanjal	in medicine & in cosmetics	"
Manga inji	as a spice & condiment	rhizome
Kayam	in flavouring, medicine for asthma & bronchitis	dried latex or gum oleoresin from the root. Contains resin gum & a volatile oil butylpropenyl disulphide
	in medicine,for flavouring & in perfumes	flower buds are also useful
Karuva	in curries, in diarrhoea & dysentry	

Grambu	as culinary spice. As carminative, in perfumes, as antispetic etc	oil contains eugenol, dried fruits and stem are also useful
Kungumapoovu	for flavouring and as dye stuff	dried stigmas & top of style used
Pachamulaku	culinary spice, perfumes etc used in pickles, salads as condiment	low & medium pungency also called red pepper
Kanthari	"	highly pungent, also called red pepper
Kurumulaku	condiment, in medicine as a stimulant	black pepper, unripe, dried fruits White pepper dried fruits, alkaloid piperline
Thippali	as spice, in medicine	pungent pepper like taste
Thakkolam	culinary spice, as a carminative, expectorant in perfumes etc	the unripe fruits are dried
Cake jeerakam	in confectionary, perfumery, flavouring	the fruit is cured & the glucoside is changed to vanillin
Ayamodakam	condiment, flavouring "	fruits are slightly curved & tapering the atarchy tubers edible
Halli	for flavouring, in medicine for flavouring, in medicine for liver diseases, in perfumery	oil contains coriandrol. The entire plant is used

Jeerakam	condiment, for flavouring ,oil in for flavouring & in medicine	oil contains cuminal-dehydride seeds oval much compressed
Perumjeerakam	carminative, stimulent,in cooking, candy and liquors	leaf stalks as vegetable
Kudampuli	in cooking	
Puli	apetising laxative, as a spece	12% tartaric acid 30% sugar
Mathalam	refreshing, medicinal & in beverages	dried seeda and rind
Elakkai	carminative,culinary purposes, flavouring beverages, in medicines	
Jathipathri	spice, condiment and in medicine	aril contain alkaholic myristicin
Jathikkai	"	seed contain alkaholic myristicin
Uluva	in curries,dyeing ,in medicine	alkaloid trigonellir
	condiment and in medicine	seeds yield a fatty oil
	"	"
Kaduku	"	"
	as condiment	"
	as a spice in cooking	
	"	
	"	
	"	

	"	
	as a spice in cooking	
Kariveppilei	"	
Arutha		
Ulli	Stimulant, used in medicine and cooking	pungency due to allylpropyl disulphide and hence antiseptic. Bulb is used.
Velluthulli	Antibacterial, for ailments of stomach, prevents hypertension & atherosclerosis, as a spice etc	Bulblets are called cloves, the pungent principle-allycin
	for flavouring, soups, stews etc	leaves are used
	"	"

USES

NOTES

in chest complaints, sore	contains glycyrrhizic acid, glycyrrhetic acid
in loss of appetite, skin diseases, genito-	sweet, cooling and purgative roots. Plant is a
reduces blood pressure, as a	alkaloids- reserpine, rescinnamine,
as an aphrodisiac & rejuvenator,	
as a laxative in pain	active principle
	colchicine corms and
for malaria, tonic, antiseptic	about 29 alkaloids like cinchonine,
in uterine disorders, piles and dysentery	dried flowers are given in diabetics

for bleeding piles,
loucorrhoea, dysentery
powder of the wood
in gonorrhoea,
fevers, bilious
disorders, the
essential oil is
stimulant, antiseptic
and diuretic. The oil is
applied over scabies &
other skin diseases.

for chronic bronchitis & asthma, decoction is used for scabies, root is expecterant Alkaloid vascine. The root & bark have the same medicinal uses as the leaves

oil is used in asthma and bronchitis, antiseptic mosquito repellent leaves expectorant, given in malaria, in chronic fever, anthelmintic antiseptic, for eye and skin diseases, dried leaves protect the clothes & books from worms and insects

cures heart diseases and improves blood circulation alkaloides- digitoxin, gitoxin, and digitatin
relieves eye pain, head ache, smoke for asthma and bronchitis

as a purgative dried leaves

remedy for intestinal worms
as a local anaesthesia, to relieve irritation & juice in liver disorders and jaundice, in fever, ophthalmia

the unopened dried flower buds are used
alkaloid cocaine
alkaloid punarnavin

in leprosy, diarrhoea & dysentery, over indulgence causes hallucinations

constituents -
cannabinol, pseudo-cannabinol & cannabinin

diarrhoea, dysentery, in irritation of the alimentary canal and in constipation, digestive troubles .as a blood purifier, refrigerent, tonic

richest source of vit-C

relieves pain, as a sedative in respiratory troubles in ulcers & gastritis etc

latex from the unripe fruits contain alkaloids like morphin codeine

appetizer & blood purifier, in skin diseases, jaundice,

alkaloids poisonous, Strychine & nux-vomicine

fevers,
cough,asthma,heart diseases etc

as a laxative in pain

in drugs, lotions etc

Antibiotic

Antibiotic

Antibiotic

to increase blood pressure & in uterine disturbances fungus is parasite on rye

relieves liver pain & cures parralysis & hydrocele

in cough & as a diuretic

useful in heart, liver & spleen diseases

in dysentry, ulcers & blood diseases

to cure fevers, spores yield medicinal oil

effective against, files, fleas, lice and mosquitoes

no effect on humans or other warm blooded animals

insecticide, non-poisonous to man raticide