



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ



**Inovace studijních programů AF a ZF MENDELU  
směřující k vytvoření mezioborové integrace  
CZ.1.07/2.2.00/28.0302**

**Tato prezentace je spolufinancovaná z Evropského sociálního fondu a  
státního rozpočtu České republiky**

Botanical and Economic Classification of Fruit Species

Fruit-growing – Seminar

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## POMACEOUS FRUITS

Pome is a commercially used part of the fruits

Rosaceae (Malaceae) Family

Apple tree (*Malus domestica*)

Pear tree (*Pyrus communis*)

Chinese pear tree (*Pyrus serotina*)

Quince tree (*Cydonia oblonga*)



European mountain-ash (*Sorbus aucuparia* var. *dulcis*)

Service tree (*Sorbus domestica*)

Black Chokeberry (*Aronia melanocarpa*)



## Medlar (*Mespilus germanica*)



## Amelanchier Genus

- 25 species, majority of them grows in North America

Saskatoon (*Amelanchier alnifolia*)

Juneberry (*Amelanchier canadensis*)



## STONE FRUITS

A stone of various sizes, shapes and colours is the commercially used part of the fruits

Rosaceae (Amygdalaceae) Family

European plum (*Prunus domestica*)

Damson plum (*Prunus insititia*)

Bird cherry (*Cerasus avium*)

Sour cherry (*Cerasus vulgaris*)

Apricot (*Armeniaca vulgaris*)

Peach (*Persica vulgaris*)



Plums: Blue stone fruits

Cherries and sour cherries: Red stone fruits

Apricots, peaches: Heat-demanding stone fruits

Mahaleb cherry (*Cerasus mahaleb*)

- Rootstock for cherries and sour cherries

Myrobalan Plum (*Prunus cerasifera*)

- Rootstock for plums, damson plums and apricots



## NUTS

Walnut (*Juglans regia*)

- Fruit: Stone
- Juglandaceae Family



Hazelnut (*Corylus avellana*)

- Fruit: Nut
- Betulaceae (*Corylaceae*) Family





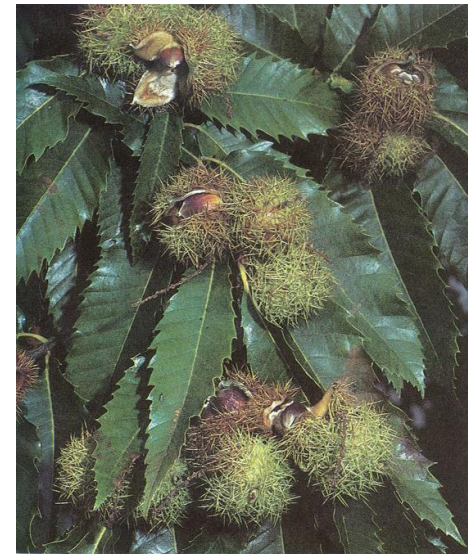
Almond (*Amygdalus communis*)

- Stone fruit Rosaceae (*Amygdalaceae*) Family



Sweet Chestnut (*Castanea sativa*)

- Achene, Fabaceae Family



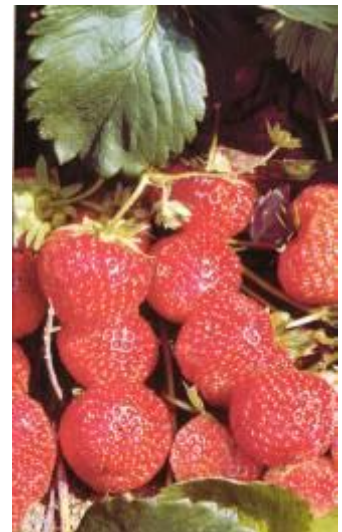
## BERRY PLANTS

Raspberry (*Rubus idaeus*)

Blackberry (*Rubus fruticosus*) - Multiple fruit of stones

Strawberry (*Fragaria × ananassa*) - strawberry (thickened receptacle with achenes)

Rosaceae Family



## BERRY PLANTS

Gooseberry (*Grossularia uva-crispa*)

Blackcurrant (*Ribes nigrum*)

Red Currant (*Ribes rubrum*)

Golden Currant (*Ribes aureum*)

– Rootstock

- Fruit: Berry

Grossulariaceae Family (Saxifragaceae Order)



LESS COMMON (LESS CULTIVATED) = MINORITY FRUITS SPECIES

- No economic significance in CR as of now
- Limited cultivation
- Small-scale production and hobby gardeners
- Use: Processing especially

Quince

Medlar

Service-berry

Saskatoon

Aronia

# *Rosaceae* Family

Dog Rose (*Rosa canina*)



Apple Rose (*Rosa pomifera*)



Rugosa Rose (*Rosa rugosa*)





Common sea-buckthorn *Hyppophae  
rhamnoides*  
Eleagnaceae Family



Cornelian Cherry (*Cornus mas*)  
- Cornaceae Family



## Loniceraceae Family

Sweetberry honeysuckle  
(*Lonicera edulis*)  
“Kamchatka blueberries”



Elderberry (*Sambucus nigra*)



# Moraceae Family

Black Mulberry (*Morus nigra*)



White Mulberry (*Morus alba*)





# Ericaceae Family

## High-Bush Blueberry (*Vaccinium corymbosum*)



# Actinidiaceae Family

Tara Vine *Actinidia arguta*

*Actinidia kolomicta*

