

# Melliferous plants flowering III-IV

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Early spring benefits  
- plants flowering in III-IV

Pozytki wczesnowiosenne – rośliny kwitnące III-IV



Wild growing perennial plants

BYLINY DZIKO ROSNĄCE

Hallow root  
Kokorycz pusta  
*Corydalis cava* Schweigg & Körte

Family: Papaveraceae  
Rodzina: makowate



# Hallow root

<b>Stand</b>	shadow
<b>Soil</b>	moist
<b>Flowering time</b>	III-IV
<b>Flowering length</b>	4 weeks
<b>Breeding</b>	seeds
<b>Honey yield</b>	~6 kg/ha
<b>Pollen yield</b>	2 kg/ha



Bird-in-a-bush; solid-tubered corydalis  
Kokorycz pełna  
*Corydalis solida* (L.) Clairv.

Family: Papaveraceae  
Rodzina: makowate



# Bird-in-a-bush

Stand	shadow
Soil	moist, clay
Flowering time	III-IV
Flowering length	4 weeks
Breeding	seeds
Honey yield	~6,5 kg/ha
Pollen yield	4 kg/ha



Butterbur, purple butterbur, fleadock

Lepiężnik różowy

*Petasites hybridus* (L.) Gaertn, Meyer et Scherb

Family: Asteraceae

Rodzina: astrowate



# Butterbur, purple butterbur, fleadock

Stand	sunny
Soil	moist
Flowering time	III-IV
Flowering length	4 weeks
Breeding	seeds
Honey yield	-
Pollen yield	7 kg/ha



Coltsfoot  
Podbiał pospolity  
*Tussilago farfara* L.

Family: Asteraceae

Rodzina: Asteraceae – astrowate



# Coltsfoot - Podbiał pospolity - *Tussilago farfara* L.

<b>Stand</b>	sunny
<b>Soil</b>	moist
<b>Flowering time</b>	III-IV
<b>Flowering length</b>	2-3 weeks
<b>Breeding</b>	seeds
<b>Honey yield</b>	~60 kg/ha
<b>Pollen yield</b>	15-20 kg/ha



Liverleaf  
Przylaszczka pospolita  
*Hepatica nobilis* Mill.

Family: Ranunculaceae  
Rodzina: jaskrowate



# Liverleaf - Przylaszczka pospolita - *Hepatica nobilis* Mill.

Stand	shadow
Soil	fertile
Flowering time	III-IV
Flowering length	2-3 weeks
Breeding	seeds
Honey yield	-
Pollen yield	2 kg/ha



Unspotted lungwort, Suffolk lungwort  
Miodunka ćma  
*Pulmonaria obscura* Dumort.

Family: Boraginaceae  
Rodzina: ogórecznikowate



# Unspotted lungwort, Suffolk lungwort

Miodunka ćma

*Pulmonaria obscura* Dumort.

Stand	Shadow
Soil	Moist, humus
Flowering time	III-IV
Flowering length	3 weeks
Breeding	seeds
Honey yield	35-40 kg/ha
Pollen yield	-

# Lungwort, common lungwort

Miodunka plamista (= lekarska)

*Pulmonaria officinalis* L.

Family : Boraginaceae

Rodzina: ogórecznikowate



# Lungwort, common lungwort Miodunka plamista (=lekarska) *Pulmonaria officinalis* L.

<b>Stand</b>	shadow
<b>Soil</b>	Moist
<b>Flowering time</b>	III-IV
<b>Flowering length</b>	3 weeks
<b>Breeding</b>	seeds
<b>Honey yield</b>	35-60 kg/ha
<b>Pollen yield</b>	-



# Wood anemone

## Zawilec gajowy

*Anemone nemorosa* L.

Family: Ranunculaceae

Rodzina: jaskrowate



# Wood anemone

## Zawilec gajowy

*Anemone nemorosa* L.

Stand	shadow
Soil	humus
Flowering time	III-IV
Flowering length	2 weeks
Breeding	seeds
Honey yield	-
Pollen yield	4-21 kg/ha



Yellow anemone, yellow wood anemone,  
buttercup anemone

Zawilec żółty

*Anemone ranunculoides* L.

Family: Ranunculaceae  
Rodzina: jaskrowate



# Yellow anemone

Zawilec żółty

*Anemone ranunculoides* L.

Stand	partial shade
Soil	humus
Flowering time	III-IV
Flowering length	4 weeks
Breeding	seeds
Honey yield	-
Pollen yield	2 kg/ha



# Ornamental plants

BYLINY OZDOBNE

# Spring Crocus

## Szafran (krokus) wiosenny

### *Crocus vernus* (L.) Hill

Family: Iridaceae  
Rodzina: kosaćcowate

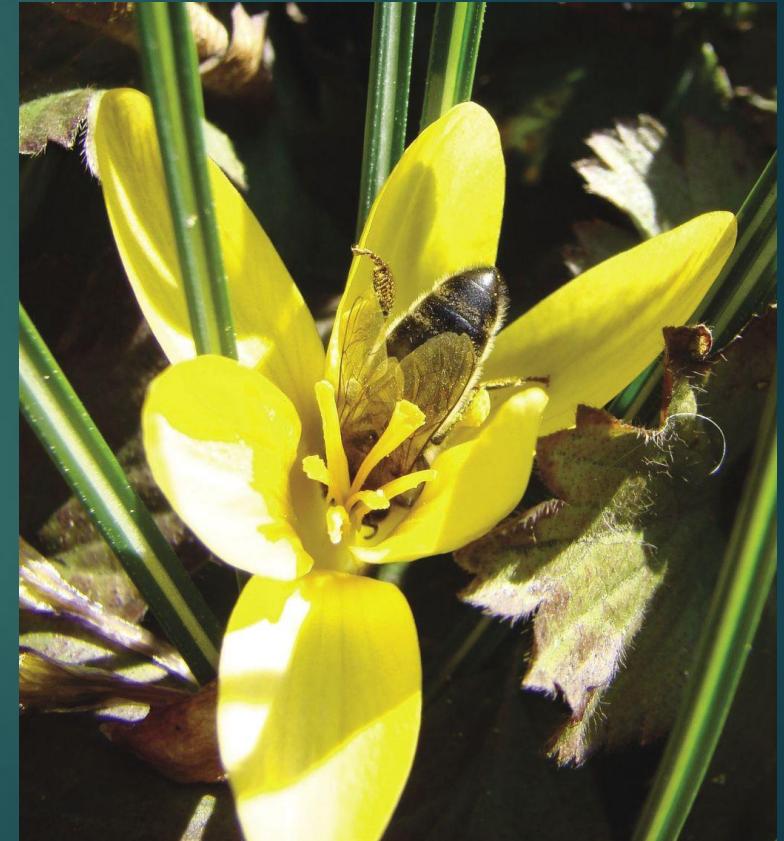


# Spring Crocus

## Szafran (krokus) wiosenny

### *Crocus vernus* (L.) Hill

Stand	Sunny
Soil	moisture
Flowering time	III-IV
Flowering length	3 weeks
Breeding	tubers, seeds
Honey yield	-
Pollen yield	2-5 mg/flower



Snowdrop, common snowdrop  
Śnieżyczka przebiśnieg (= przebiśnieg,  
śniegułka)

*Galanthus nivalis* L.

Family: Amaryllidaceae  
Rodzina: amarylkowate



# Śnieżyczka przebiśnieg, przebiśnieg, śniegułka *Ganthus nivalis* L. [EN] snowdrop, common snowdrop

<b>Stand</b>	partial shade
<b>Soil</b>	slightly moist soil
<b>Flowering time</b>	II-III
<b>Flowering length</b>	4 weeks
<b>Breeding</b>	bulb, seeds
<b>Honey yield</b>	-
<b>Pollen yield</b>	1,3 kg/ha



# Spring snowflake Śnieżyca wiosenna (= gładyszek)- *Leucojum vernum* L.

Family: Amaryllidaceae  
Rodzina: amarylkowate



# Śnieżyca wiosenna, (gładyszek)

*Leucojum vernum* L.

[EN] spring snowflake

Stand	partial shade
Soil	Fertile, clay
Flowering time	II-III-IV
Flowering length	3 weeks
Breeding	seeds
Honey yield	-
Pollen yield	4 kg/ha



Hellobores  
Ciemiernik  
*Helleborus* L.

Family: Ranunculaceae  
Rodzina: jaskrowate



# Ciemiernik

## Helleborus L.

### [EN] hellobores

Stand	partial shade
Soil	humus-clay
Flowering time	II-V
Flowering length	4 weeks
Breeding	seeds
Honey yield	-
Pollen yield	2-46 kg/ha



# Winter aconite

## Rannik zimowy –

### *Eranthis hyemalis* (L.) Salisb.

Family: Ranunculaceae  
Rodzina: jaskrowate



# Rannik zimowy

*Eranthis hyemalis* (L.) Salisb.

[EN] winter aconite

<b>Stand</b>	sunny
<b>Soil</b>	humus
<b>Flowering time</b>	II-III
<b>Flowering length</b>	2,5-6 weeks
<b>Breeding</b>	tubers, seeds
<b>Honey yield</b>	23 kg/ha
<b>Pollen yield</b>	17 kg/ha





Wild shrubs

KRZEWY DZIKO ROSNĄCE

Hazel, cobnut, filbert  
Leszczyna pospolita  
*Corylus avellana* L.

Family: Betulaceae  
Rodzina: brzozowate



# Leszczyna pospolita

## *Corylus avellana L.*

[EN] hazel, cobnut, filbert

Stand	Sunny and partial shade
Soil	Moist, fertile
Flowering time	II-III
Flowering length	3 weeks
Breeding	Seeds Hardwood cutting
Honey yield	-
Pollen yield	168 g/shrub



Goat willow, great sallow  
Wierzba iwa (= iwa)  
*Salix caprea* L.

Family: Salicaceae  
Rodzina: wierzbowate



# Wierzba iwa, *Salix caprea* L. [EN] goat willow, great sallow

<b>Stand</b>	sunny
<b>Soil</b>	Partial moist
<b>Flowering time</b>	III-IV
<b>Flowering length</b>	1-2 weeks
<b>Breeding</b>	seeds
<b>Honey yield</b>	26-150 kg/ha
<b>Pollen yield</b>	30-45 kg/ha



Broad-leaved osier  
Wierzba Smitha –  
*Salix × smithiana* Willd.

Family: Salicaceae  
Rodzina: wierzbowate



Wierzba Smitha,  
*Salix × smithiana* Willd.  
[EN] broad-leaved osier

Stand	sunny
Soil	poor, dry
Flowering time	III-IV
Flowering length	2 weeks
Breeding	set, cutting (sadzonki)
Honey yield	4,9 g/m <sup>3</sup> crown
Pollen yield	30-45 kg/ha



Purple willow, basket willow, purpure osier  
Wierzba purpurowa (= wiklina)  
*Salix purpurea* L.

Family: Salicaceae  
Rodzina: wierzbowate



# Wierzba purpurowa, wiklina *Salix purpurea* L. [EN] purple willow, basket willow, purpure osier

<b>Stand</b>	sunny
<b>Soil</b>	Moist
<b>Flowering time</b>	III-IV
<b>Flowering length</b>	1-2 weeks
<b>Breeding</b>	set, cutting (sadzonki)
<b>Honey yield</b>	25-35 kg/ha
<b>Pollen yield</b>	30-45 kg/ha





Ornamental shrubs

KRZEWY OZDOBNE

# Wawrzynek wilczełyko – *Daphne mezereum* L.

Family: Daphnaceae  
Rodzina: wawrzynkowate



# Wawrzynek wilczełyko

Daphne mezereum L.

[EN] February daphne, mezereon

<b>Stand</b>	Partial shade, shade
<b>Soil</b>	humus
<b>Flowering time</b>	III-IV
<b>Flowering length</b>	3-4 weeks
<b>Breeding</b>	seeds
<b>Honey yield</b>	15 kg/ha
<b>Pollen yield</b>	-



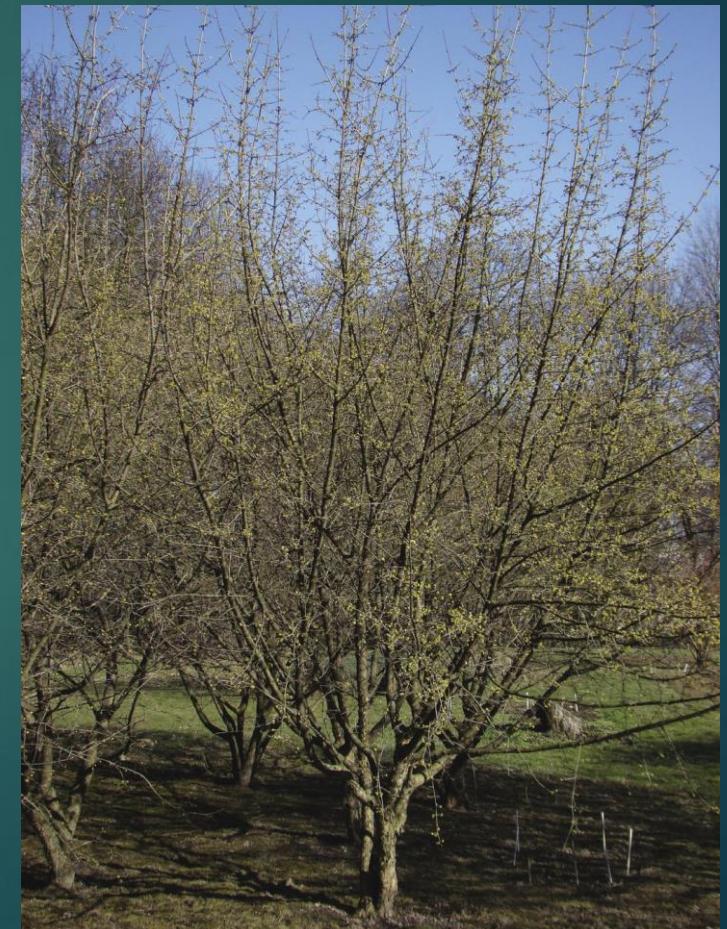
Cornelian cherry, European cornelian cherry

Dereń jadalny (= dereń właściwy)

*Cornus mas* L.

Family: Cornaceae

Rodzina: dereniowate



# Dereń jadalny, dereń właściwy

*Cornus mas L.*

[EN] Cornelian cherry, European cornel

<b>Stand</b>	sunny
<b>Soil</b>	fertile
<b>Flowering time</b>	III-IV
<b>Flowering length</b>	2 weeks
<b>Breeding</b>	seeds
<b>Honey yield</b>	20-25 kg/ha
<b>Pollen yield</b>	-





Thank you for your attention!