



EM5 Meadow Mixture for Loamy Soils
(Sow at 40Kg/hectare or 4g/m2)

Composition:
Emorsgate EM5 contains a good range of wildflowers and grasses once common in uncommon in unimproved flower-rich lowland meadows. Loamy soils are medium textured soils: a mixture of clay, silt and sand with none predominating. They are usually found in low lying areas developed from alluvium and other material, frequently over chalky of limestone bedrocks and so are often neutral to alkaline.

| Wild Flowers (20%) | | |
|--------------------|---|---------------------|
| % | Latin name | Common name |
| 0.7 | <i>Achillea millefolium</i> | Yarrow |
| 1.7 | <i>Betonica officinalis</i> | Betony |
| 2.3 | <i>Centaurea nigra</i> | Common Knapweed |
| 0.2 | <i>Galium album</i> | Hedge Bedstraw |
| 2.3 | <i>Galium verum</i> | Lady's Bedstraw |
| 1.7 | <i>Geranium pratense</i> | Meadow Crane's-bill |
| 1.2 | <i>Knautia arvensis</i> | Field Scabious |
| 0.6 | <i>Leontodon hispidus</i> | Rough Hawkbit |
| 2.3 | <i>Leucanthemum vulgare</i> | Oxeye Daisy |
| 0.6 | <i>Lotus corniculatus</i> | Birdsfoot Trefoil |
| 0.6 | <i>Plantago lanceolata</i> | Ribwort Plantain |
| 1.2 | <i>Poterium sanguisorba - (Sanguisorba minor)</i> | Salad Burnet |
| 0.4 | <i>Primula veris</i> | Cowslip |
| 2.3 | <i>Prunella vulgaris</i> | Selfheal |
| 0.2 | <i>Rhinanthus minor</i> | Yellow Rattle |
| 0.2 | <i>Rumex acetosa</i> | Common Sorrel |
| 0.3 | <i>Silaum silaus</i> | Pepper Saxifrage |
| 1.2 | <i>Vicia cracca</i> | Tufted Vetch |

| Grasses (80%) | | |
|---------------|------------------------------|-----------------------------|
| % | Latin name | Common name |
| 3 | <i>Agrostis capillaris</i> | Common Bent |
| 3 | <i>Anthoxanthum odoratum</i> | Sweet Vernal-grass (w) |
| 3 | <i>Briza media</i> | Quaking Grass (w) |
| 20 | <i>Cynosurus cristatus</i> | Crested Dogtail |
| 18 | <i>Festuca ovina</i> | Sheep's Fescue |
| 24 | <i>Festuca rubra</i> | Slender-creeping Red-fescue |
| 3 | <i>Phleum bertolonii</i> | Smaller Cat's-tail (w) |
| 1 | <i>Trisetum flavescens</i> | Yellow Oat-grass (w) |

EM2 Standard General Purpose Meadow Mixture
(Sow at 40Kg/hectare or 4g/m2)

Composition:
Emorsgate EM2 (or similar approved) is a meadow mixture that contains species that are characteristic of traditional meadows across a wide range of soil types.

| Wild Flowers (20%) | | |
|--------------------|---|------------------|
| % | Latin name | Common name |
| 0.5 | <i>Achillea millefolium</i> | Yarrow |
| 0.5 | <i>Centaurea nigra</i> | Common Knapweed |
| 1 | <i>Daucus carota</i> | Wild Carrot |
| 2 | <i>Galium verum</i> | Lady's Bedstraw |
| 0.3 | <i>Leucanthemum vulgare</i> | Oxeye Daisy |
| 3 | <i>Poterium sanguisorba - (Sanguisorba minor)</i> | Salad Burnet |
| 2.5 | <i>Prunella vulgaris</i> | Selfheal |
| 3.5 | <i>Ranunculus acris</i> | Meadow Buttercup |
| 0.5 | <i>Rumex acetosa</i> | Common Sorrel |
| 2.5 | <i>Silene dioica</i> | Red Campion |
| 2 | <i>Silene vulgaris</i> | Bladder Campion |

| Grasses (80%) | | |
|---------------|----------------------------|-----------------------------|
| % | Latin name | Common name |
| 8 | <i>Agrostis capillaris</i> | Common Bent |
| 40 | <i>Cynosurus cristatus</i> | Crested Dogtail |
| 28 | <i>Festuca rubra</i> | Slender-creeping Red-fescue |
| 4 | <i>Phleum bertolonii</i> | Smaller Cat's-tail |

WFT - Species Rich 26
(Roll Size: 1x0.64m=0.64m2/2x20m=40m2)

Composition:
Wildflower Turf WFT Species Rich 26 is a soil-free turf system that is species rich, has a high grass inclusion rate and is treated as a traditional lawn as opposed to a wildflower meadow.

| Wild Flowers (10%) | | |
|-----------------------------|---------------------|---------------------|
| Latin name | Common name | Common name |
| <i>Achillea millefolium</i> | Yarrow | Yarrow |
| <i>Bellis perennis</i> | Daisy | Daisy |
| <i>Centaurea nigra</i> | Common Knapweed | Common Knapweed |
| <i>Conopodium majus</i> | Pignut | Pignut |
| <i>Galium mollugo</i> | Smooth Bedstraw | Smooth Bedstraw |
| <i>Galium verum</i> | Lady's Bedstraw | Lady's Bedstraw |
| <i>Hypochaeris radicata</i> | Cat's Ear | Cat's Ear |
| <i>Lathyrus pratensis</i> | Meadow Vetchling | Meadow Vetchling |
| <i>Lotus corniculatus</i> | Bird's Foot Trefoil | Bird's Foot Trefoil |
| <i>Medicago lupulina</i> | Black Medic | Black Medic |
| <i>Origanum vulgare</i> | Wild Marjoram | Wild Marjoram |
| <i>Primula veris</i> | Cowslip | Cowslip |
| <i>Prunella vulgaris</i> | Selfheal | Selfheal |
| <i>Ranunculus acris</i> | Meadow Buttercup | Meadow Buttercup |
| <i>Rumex acetosa</i> | Common Sorrel | Common Sorrel |
| <i>Sanguisorba minor</i> | Salad Burnet | Salad Burnet |
| <i>Stachys officinalis</i> | Betony | Betony |
| <i>Trifolium dubium</i> | Suckling Clover | Suckling Clover |
| <i>Trifolium pratense</i> | Wild Red Clover | Wild Red Clover |
| <i>Trifolium repens</i> | White Clover | White Clover |

| Grasses (90%) | | |
|---------------------------------------|-----------------------------|-----------------------------|
| Latin name | Common name | Common name |
| <i>Festuca ovina</i> | Sheep's Fescue | Sheep's Fescue |
| <i>Festuca rubra subsp. commutata</i> | Chewing's Fescue | Chewing's Fescue |
| <i>Festuca rubra trichophylla</i> | Slender Creeping Red Fescue | Slender Creeping Red Fescue |
| <i>Lolium perenne</i> | Dwarf cultivar | Dwarf cultivar |
| <i>Phleum bertolonii</i> | Smaller Cat's Tail | Smaller Cat's Tail |
| <i>Poa pratensis</i> | Common Meadow Grass | Common Meadow Grass |

EW1 Woodland Mixture
(Sow at 40Kg/hectare or 4g/m2)

Composition:
Emorsgate EW1 (or similar approved) is a mixture of woodland wild flowers and grasses that are shade tolerant, to be used under existing trees within POS.

| Wild Flowers (20%) | | |
|--------------------|---|--------------------------|
| % | Latin name | Common name |
| 2.5 | <i>Alliaria petiolata</i> | Garlic Mustard |
| 0.5 | <i>Allium ursinum</i> | Ransoms |
| 1 | <i>Angelica sylvestris</i> | Wild Angelica |
| 0.3 | <i>Betonica officinalis - (Stachys officinalis)</i> | Betony |
| 1 | <i>Campanula trachelium</i> | Nettle-leaved Bellflower |
| 0.5 | <i>Digitalis purpurea</i> | Foxglove |
| 2 | <i>Galium album - (Galium mollugo)</i> | Hedge Bedstraw |
| 3 | <i>Geum urbanum</i> | Woad |
| 1.7 | <i>Hyacinthoides non-scripta</i> | Bluebell |
| 2.5 | <i>Prunella vulgaris</i> | Selfheal |
| 3 | <i>Silene dioica</i> | Red Campion |
| 0.2 | <i>Silene flos-cuculi - (Lychnis flos-cuculi)</i> | Ragged Robin |
| 0.3 | <i>Stachys sylvatica</i> | Hedge Woundwort |
| 1 | <i>Teucrium scorodonia</i> | Wood Sage |


| Grasses (80%) | | |
|---------------|--------------------------------|-----------------------------|
| % | Latin name | Common name |
| 10 | <i>Agrostis capillaris</i> | Common Bent |
| 1 | <i>Anthoxanthum odoratum</i> | Sweet Vernal-grass (w) |
| 6 | <i>Brachypodium sylvaticum</i> | False Brome (w) |
| 35 | <i>Cynosurus cristatus</i> | Crested Dogtail |
| 2 | <i>Deschampsia cespitosa</i> | Tufted Hair-grass (w) |
| 26 | <i>Festuca rubra</i> | Slender-creeping Red-fescue |

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Notes


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Landscape Key:

**Application Boundary**

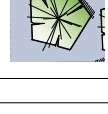
**Outer Security Fence**

**Inner Security Fence**

**Water Easement**

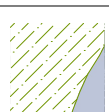
**Existing trees to be Retained**

**Broadleaf Tree and Shrub Planting**

**Conifer Tree Planting**

**Gravel Reinforced Modular Grass Paving - Supplied by Grass Concrete Ltd (or similar approved)**
To be sown with a wildflower mix

**Tree canopies beyond boundary to be trimmed to avoid conflict with 10m clear zone**

**Native Shrub Planting**

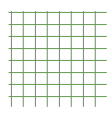
**Wildflower Grassland**

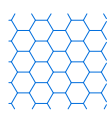
**Wildflower Turf**


**Restored Natural Grassland**

**Woodland Wildflower & Grass Mix**





Recreational Ground:

**Existing Vegetation**


**Woodland Interplanting**

**Hedgerow Planting**

Grassland Management Schedule:

| Mixture Key | Mixture Image | Mixture | Supplier (or similar approved) | Cutting Regime: Year One | Cutting Regime: Year Two Onwards |
|-------------------------------|---|---|--------------------------------|---|---|
| Close Mown Grass |  | WFT - Species Rich 26 | Wildflower Turf Ltd | To be close mown regularly. | To be close mown regularly to maintain a maximum height of 50-75mm. |
| Wildflower Grassland |  | EM2 Standard General Purpose Meadow Mixture | Emorsgate | Mow regularly throughout the first year of establishment to a height of 40-50mm. Remove cuttings if dense. Dig out or spot treat any residual perennial weeds such as dock. | Level 2 (within 10m outside of outer perimeter fence): Cut regularly to maintain a maximum height of 300mm. Cut annually in Sept to a height of 50mm. Leave the cuttings to dry and shed seed for 1-7 days then remove from site. Mow the re-growth through late Autumn/Winter to 50mm and again in Spring if needed. Level 3 (10m onwards from outer perimeter fence): Cut annually in Sept to a height of 50mm. Leave the cuttings to dry and shed seed for 1-7 days then remove from site. Mow the re-growth through late Autumn/Winter to 50mm and again in Spring if needed. |
| Woodland Wildflower and Grass |  | EW1 Woodland Mixture | Emorsgate | Open or young woodland encourages more growth as light levels are higher and grasses will become more prominent. Cut annually in mid-Summer to keep weeds such as nettles and brambles at bay. | Established woodland: requires little management. During establishment of the mix, long term management, the mix will benefit from good tree and coppice management. |
| Restored Natural Grassland |  | EM5 Meadow Mixture for Loamy Soils | Emorsgate | Mow any newly sown meadows regularly throughout the first year of establishment to a height of 40-50mm, removing any cuttings if dense. Avoid cutting in the Spring and early Summer if sown in the Autumn and contains 'Yellow Rattle'. Allow to flower, then in mid-Summer, cut back and remove cut vegetation. Dig out any residual perennial weeds such as docks. | Meadow grassland is not cut from Spring through to late July/August to give the sown species an opportunity to flower. After flowering in July or August, take a hay cut. Cut back with a scythe, petrol strimmer or tractor mower to 50mm. Leave the hay to dry and shed seed for 1-7 days then remove from site. Mow the regrowth through to late Autumn/Winter to 50mm and again in Spring if needed. |

| | | | | |
|-----|---|----|-----|----------|
| P02 | Retained trees added along NE boundary. | AH | DB | 26.02.21 |
| P01 | First Issue | AH | DB | 10.02.21 |
| Rev | Description | By | Ckd | Date |



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Client

Project **Bracknell Data Centre**

Title **Grassland Management Plan Sheet 1 of 1**

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Task Team Manager
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