

# MULTI-SPECIES SWARDS

Nitrogen Fixing	Anthelmintic Properties	Mineral-rich	Drought Tolerant	Flowering Plants
<b>Species:</b> Legumes; Clovers, Birdsfoot trefoil, Sainfoin, Vetches, Lucerne	<b>Species:</b> Sainfoin, Chicory, Birdsfoot trefoil	<b>Species:</b> Herbs; Chicory, Plantain, Burnett, Yarrow, Sheep's parsley	<b>Species:</b> Chicory, Plantain, Burnet, Yarrow, Cocksfoot, Sheep's Parsley, Lucerne, Sainfoin	<b>Species:</b> Birdsfoot trefoil, Chicory, Burnet, Lucerne
<b>Benefits:</b> Reduce artificial Nitrogen use and build soil fertility	<b>Benefits:</b> Reduced worm burden	<b>Benefits:</b> Make available dietary minerals that would normally have to be provided by supplementation	<b>Benefits:</b> Deep rooting systems give access to moisture deeper in the ground, acting as a sponge in wet conditions, while tap roots break up compacted soil layers	<b>Benefits:</b> Increase biodiversity and attract beneficial pollinators

**Properties of key sward species:**

- Grasses - high energy
- Legumes - high protein
- Herbs - provide micronutrients

**Establishment**

Deal with **weeds** prior to sowing

**Timing** - warm soil, above 8°C and moisture

Cultivate / harrow to fine tilth and **broadcast sow** if possible (if drilling ensure max 1cm depth)

**Consolidate!** Roll, roll and roll again

Spring sowing	APR MAY
Light grazing	JUN JUL
Autumn sowing	AUG SEP
Light grazing	OCT NOV

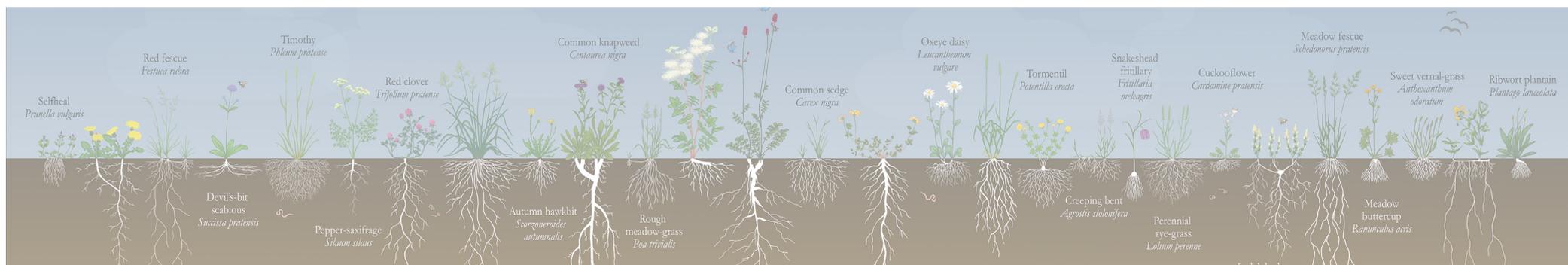
**Management**

Lightly graze 6-8 weeks after establishment to control weeds and encourage tillering

Be careful not to over-graze in first year; leave plenty of leaf on the sward for ground cover

Rotationally graze for best results

Rotation length will be dependent on season and sward content



## SEED MIX CALCULATOR

Grass/Herb/ Legume	Species	Cotswold seeds price per kg, May 2024	Quoted price per kg	kg in mix	Total cost of component
Grass	Cockfoot	5.95			
	Creeping Red Fescue	4.70			
	HRG	3.95			
	IRG	3.15			
	Meadow Fescue	6.40			
	PRG	5.38			
	SS Meadow Grass	8.45			
	Sweet Vernal Grass	68.50			
	Tall Fescue	6.60			
	Timothy	7.50			
	Herb	Burnet	13.70		
Chicory		17.35			
Plantain		18.50			
Sheeps Parsley		15.50			
Yarrow		50.00			
Legume	Alsike Clover	10.10			
	Balansa Clover	8.70			
	Birdsfoot Trefoil	20.75			
	Lucerne	10.90			
	Red Clover	10.90			
	Sainfoin	3.70			
	Sweet Clover	9.70			
	Vetch	3.45			
	White Clover	18.50			
Anything else					
<b>TOTALS</b>					

Cost of mix per kg	(Total cost of components ÷ total kg in mix)	
Sowing rate (kg/ac)	14 (example)	
Sowing rate (kg/ha)	34.6 (example)	
Cost per ac	(Cost of mix per kg × sowing rate (kg ÷ ha))	
Cost per ha	(Cost of mix per kg × sowing rate (kg ÷ ha))	

### Notes:



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