Establishing wildflower mixes on farmland Bespoke training event 26 October 2022

Where to sow When to sow How to sow Subsequent management

Habitat loss is a primary reason for species decline. Putting habitats back is the best place to recovery.

HABITAT QUALITY NOT QUANTITY





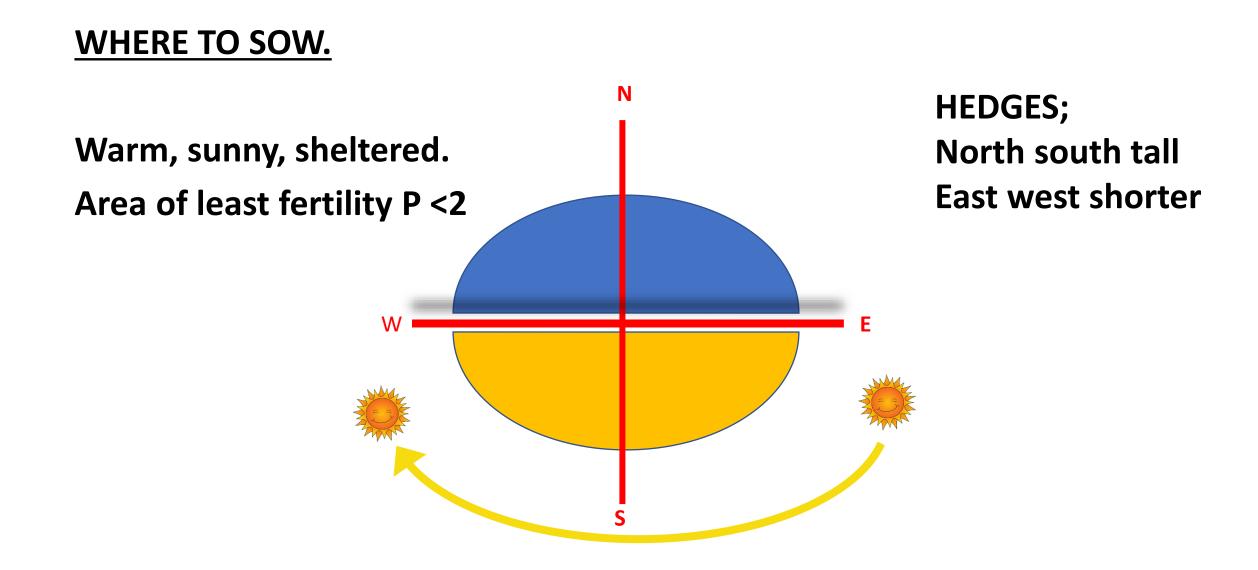
Habitat quality and variety is the key to biodiversity increase Appropriate management is vital







Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL



WHAT TO SOW: 90% Grass + 10% Flower @ 20 kg/ha 80% grass + 20% flower @20kgha Legume + Grass. 80%+20% @ 20kg/ha P&N (Legume based) @ 10-12 kg/ha Tussocky grass @ 20kg/ha

NB. High number of species = low individual seed number

GROUND PREPERATION. In autumn/spring spray of existing veg with Glyphosate. Plough, bury trash, then create a firm fine weed free seed bed. Let the field regrow weeds then spray of again. Do not cultivate after last spray.

WHEN TO SOW. Grass and flower mixes: April-May or July- Sept Warm, moist soils are ideal.

HOW TO SOW. DRILL BROADCAST on the soil surface and then ring roll.

BLACKGRASS SITES: Autumn cult. Spring spray then sow

Seedbed preparation Think ahead

EXISTING TRACK. Forced by spring power harrowing

EXISTING FIELD. Forced by spring power harrowing.

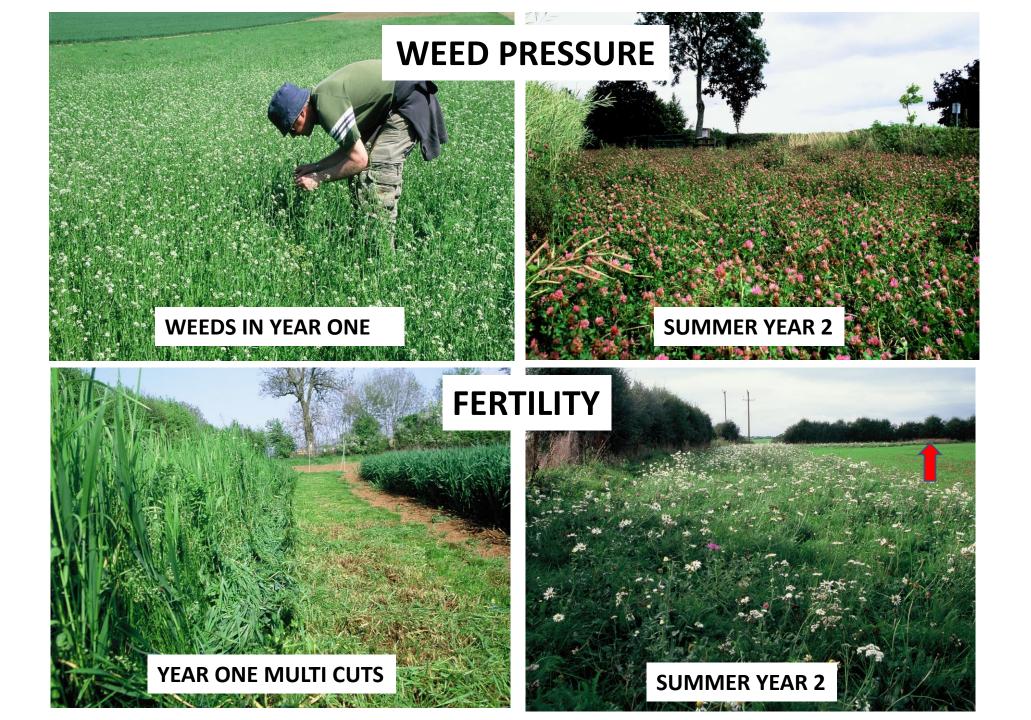
EXISTING FIELD. Autumn plough and winter weathering for spring beans

THE GOLDEN RULES. *Poor management = Poor results*

FLOWER SEED DEPTH IS CRITICAL SOW AT THE CORRECT TIME OF YEAR PERENNIAL SPECIES MAY NEED REPEATED CUTTING IN YEAR ONE TO REDUCE WEEDS/GROWTH..

CUTTING ANNUALS MEANS NO SEED =DEAD CUTTING PERENNIALS MEANS FLOWERS NEXT YEAR





CUTTING FLOWER MIXES

Tall sward. Cuttings should be removed

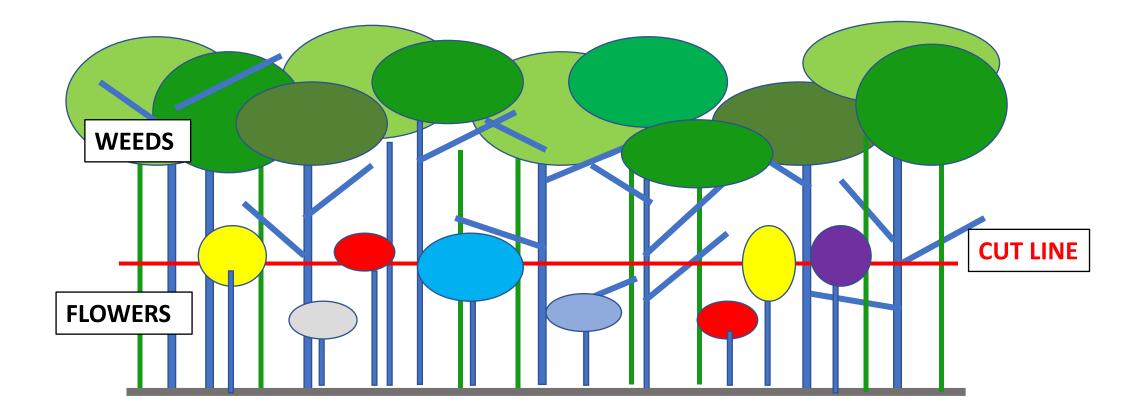
Short sward. Cuttings can be left



Remember Cutting kills annuals not perennials. Daisies & Dandelions in your lawn!

CUTTING

When to cut a newly established flower mix. Aim to let light reach the lower flowers.





SAME FIELD. 2013 Year one mown 6 times. Heavy clay soil. P index 3-4

MOWING DOES NOT KILL PERENNIALS



FERTILE SOILS



NO NITROGEN

PROBLEMS & NOTES: Fertility P index >2 Weed pressure Cutting kills wildlife!! How often to cut ? (shading) To expensive & difficult!



Reviving old flower areas

Can be difficult to succeed Needs 60% soil showing Old tussock areas, hard Old flower areas, easier



COMMERCIAL FLOWERS



	Early season			Mid season		Late season		
Name	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Black Medick								
Primrose								
Cowslip								
Red campion								
Wild red clover								
Meadow buttercup								
Yellow rattle								
Meadow vetchling								
Hoary plantain								
Common vetch								
Agric red clover								
Alsike clover								
Birdsfoot trefoil								
Cornflower								
Wild carrot								
Oxeye daisy								
Common poppy								
Tufted vetch								
Sainfoin								
Mignonette								
Kidney vetch								
Autumn hawkbit								
Yarrow							2	
Vipers bugloss								
Common knapweed								
Betony								
Rough hawkbit								
Selfheal				11				
Hedge woundwort								
Greater knapweed								
Corn marigold								
Devil's bit scabious								1
Wild basil	Hun	gry gap						
Field scabious								
Small scabious								
Agrimony								
Marjoram							ſ.	
Musk mallow								
Teasel								

Key: Coloured squares depict flower colour and flowering period

Habitat Creation and Management for Pollinators

Marek Nowakowski and Richard Pywell









Book download and order hard copy

https://www.ceh.ac.uk/book-habitat-creation-and-management-pollinators

<u>Agrii green horizons.</u> one pagers and DVD's <u>https://www.agrii.co.uk/greenhorizons/the-environment/</u> <u>https://vimeo.com/638563546/1b72a8eb47</u>