



ACTION



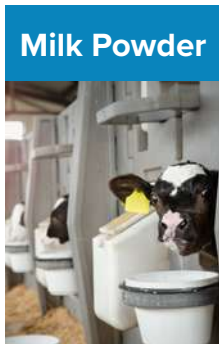
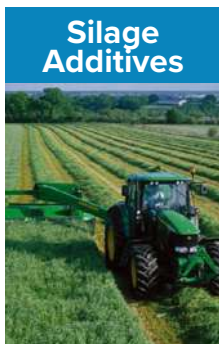
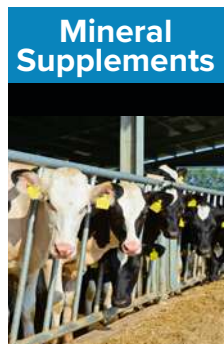
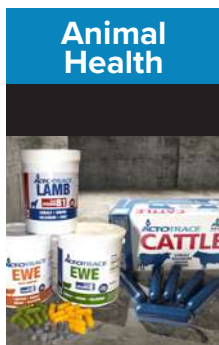
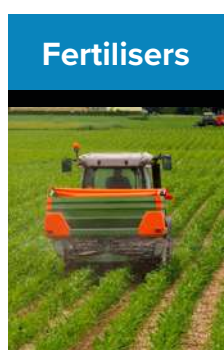
## FORAGE SEED GUIDE 2024-25

- Grass Seed Mixtures • Environmental Scheme Options
- Energy Crops • Combinable Crops • Root & Fodder Crops
- Cover Crop Mixtures • Forage Maize • Organic Mixtures

# Contents

|  |       |
|--|-------|
| Which mixture to choose?   | 3     |
| Long term (6 years plus)   | 4-6   |
| Specialist mixtures  | 7-9   |
| Organic leys   | 9     |
| Medium term (3-5 years plus)   | 10-11 |
| Short term (up to 2 years)   | 12    |
| Mixtures for countryside stewardship & sustainable farming incentive schemes | 14-15 |
| Fodder & energy beet   | 16    |

|                                 |    |
|---------------------------------|----|
| Wholecrop silage mixtures       | 17 |
| Soil improving species          | 18 |
| Arable crops                    | 19 |
| Soil improving mixtures         | 19 |
| Grazing brassica catch crops    | 20 |
| Stubble turnips                 | 21 |
| Forage rape - kale/rape hybrids | 22 |
| Grazing brassica mixtures       | 23 |



## Who are ACT?

ACT are a farmer owned co operative supplying essential farm inputs to a wide range of customers throughout England, Wales and Scotland.

Our considerable buying power, across a range of markets coupled with our low operating costs, means that substantial savings are passed to our customers, on both our own ACTion blended products and popular branded ranges.

The ethos of ACT is to provide value for money by selecting products to meet the needs of our customers, whilst providing a high-quality product and service.

ACT also provide an added value service of forage analysis, soil sampling, mineral analysis, and access to a wealth of knowledge among our fully qualified area and product managers.

## Forage species selection

ACT offer a full range of forage and combinable crops.

Due to our independence, we can select the best species, varieties, and mixtures to be sown in a range of situations and environments.

All varieties selected have been tested in official trials, breeder's trials, and our farmers own strip trials and feature on NIAB lists.

Cereals – we can supply a wide range of AHDB recommended varieties of Wheat, Barley, Oats, Triticale and hybrid rye plus.

Custom mixes are also available on request.

Call us to discuss your requirements.

Did you know we also provide Fertilisers, Feeds, Mineral Supplements, Animal Health products, Fuel, Silage Additives, Silage Wrap/Polythene & Twine, Dairy Chemicals, Lubricating Oils and Crop Protection all supported by a wealth of advice.

# WHICH MIXTURE TO CHOOSE?

## ACT can supply you with a wide range of grass mixtures for all situations.

Whether it is a short term catch crop to be sown after maize, a medium-term dual purpose cutting and grazing mixture or a long-term grazing mixture, we have the mixture to suit your needs.

We select the best performing varieties for each mixture to ensure that ACT seeds have the right mix of yield, heading dates, density, persistence and rooting potential to ensure you can grow the highest yields of high-quality grass whether its for cutting, for grazing or a combination of each.

We can also supply you with bespoke mixtures of species of your choice to your specifications - using the best performing varieties available from our breeding partner DLF.

Fiber Energy varieties are highly digestible with improved livestock intake and better animal health, producing more meat and milk from grazing and reduced production costs for the farmer.

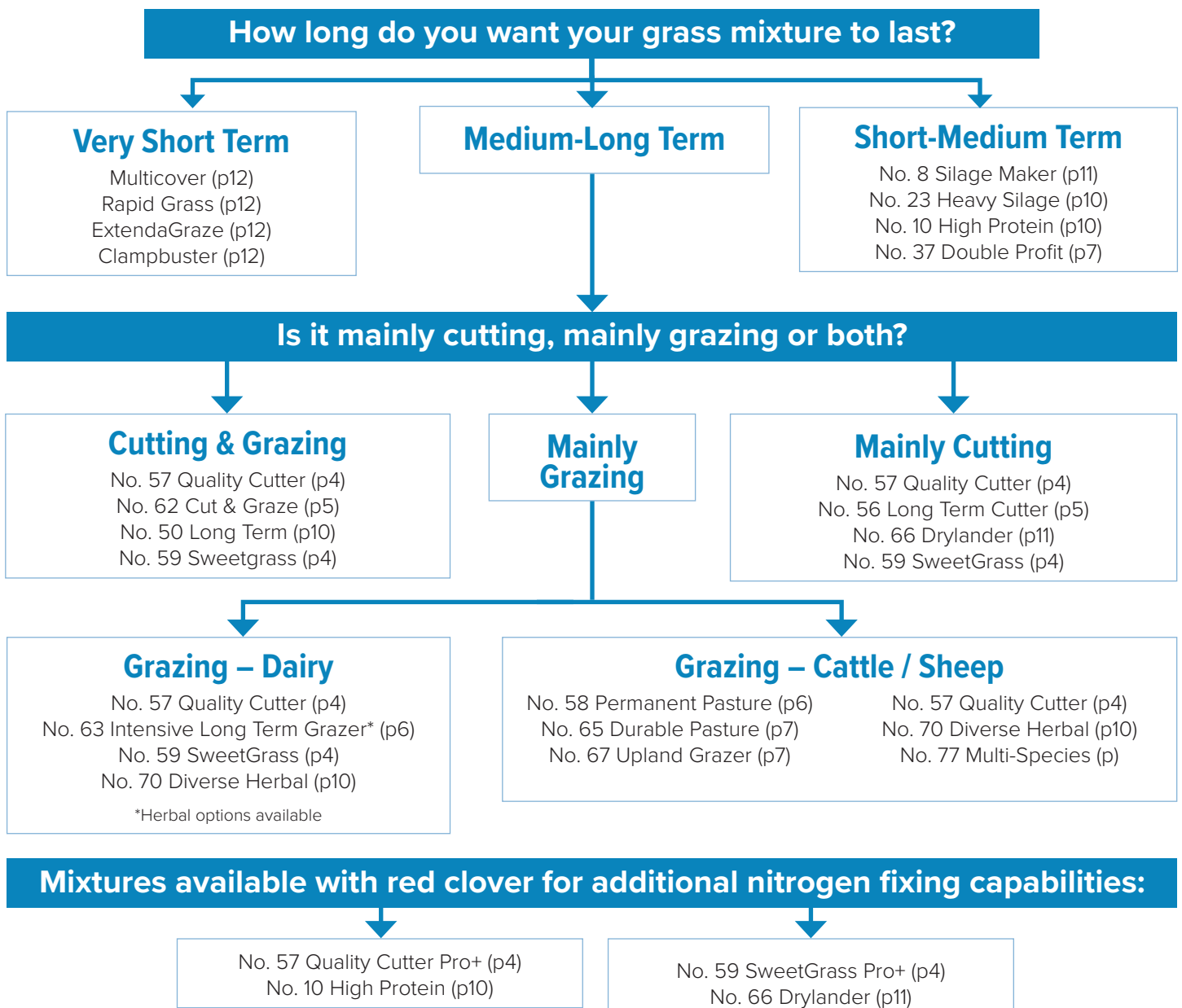


## Which mixture should we choose?

This question is best answered by considering the following:

- What is the intended utilisation of the crop - cutting, grazing or both? Grazing mixtures generally are also good for cutting – the reverse is not always true.
- How long do I want the mixture to last? Too often we underestimate how long a field will be kept down for – in which case go for a longer ley.

Many of our mixtures are available with or without clover depending on your requirements. Alternatively you could consider the clover overseeding mixture to improve an existing sward in which case using a seed mixture of high performing varieties plus a seed treatment that will allow the seeds to establish quicker could be the way to go.



# LONG TERM (6 YEARS PLUS)

## NO.57 QUALITY CUTTER

Versatile mixture that can be used as a long term silage mixture as well as a high quality grazing mixture, or as a dual purpose cut and graze.

- > Late heading PRG with a tight range of heading dates resulting in reduced seed heads at cutting
- > High performing grass varieties for increased spring and autumn growth
- > Contains 60% high sugar tetraploid PRG
- > Varieties selected for improved density and growth in the shoulders of the season
- > Quality Cutter Pro+ including 10% Red Clover
- > Available with or without White Clover

### Contains

Thegn (T)  
Nashota (T)  
Zorgue  
Swan  
White Clover

ACTiVe8™  
Treated

Seeds per m<sup>2</sup>  
**1343**

Suggested sowing rate  
**13-15 kg/acre**

Pack size  
**20kg**

|            |             |
|------------|-------------|
| Tetraploid | <b>60%</b>  |
| Diploid    | <b>40%</b>  |
| Late PRG   | <b>100%</b> |

## NO.59 SWEETGRASS

High sugar mixture for dairy systems.

- > This high sugar mixture is made up of highly digestible tetraploid varieties suited to both grazing and cutting regimes
- > Varieties selected increase grazing yield in the shoulders of the year and maintain summer growth
- > The deeper rooted tetraploid grasses are more tolerant of dry conditions
- > Sweetgrass Pro+ includes 12% Red Clover
- > Available with or without White Clover
- > Sweetgrass Herbal contains 6% herbal species chicory, plantain, yarrow
- > With its 100% Tetraploid ryegrass you can be sure of high quality forage

### Contains

Thegn (T)  
Nashota (T)  
White Clover  
Hopi (T)  
Twymax (T)

ACTiVe8™  
Treated

Seeds per m<sup>2</sup>  
**1174**

Suggested sowing rate  
**13-15 kg/acre**

Pack size  
**20kg**

|            |             |
|------------|-------------|
| Tetraploid | <b>100%</b> |
| Diploid    | <b>0%</b>   |
| Late PRG   | <b>100%</b> |

# LONG TERM (6 YEARS PLUS)

## NO.56 LONG TERM CUTTER

Long term silage mixture for multiple cutting.

- > Long lasting silage mixture with good spring growth to suit the early silage producer
- > Being 100% intermediate PRG this is the ideal mixture for a multi-cut system where earlier cuts are required
- > Excellent silage fermentation from the high sugar tetraploids which also give palatable aftermath grazing
- > Excellent sward density when aftermath grazing is required

### Contains

Nifty  
Agaska  
Boyne  
Seagoe (T)  
Nolwen (T)

ACTive8™  
Treated

Seeds per m<sup>2</sup>  
**1096**

Suggested sowing rate  
**13-15**  
kg/acre

Pack size  
**20**kg

|            |            |
|------------|------------|
| Tetraploid | <b>55%</b> |
| Diploid    | <b>45%</b> |

|                  |             |
|------------------|-------------|
| Intermediate PRG | <b>100%</b> |
|------------------|-------------|

## NO.62 CUT & GRAZE

Long term dual purpose.

- > Reliable long-term dual-purpose mixture
- > Suitable for cutting followed by grazing by all livestock
- > Our most versatile mixture for forage production in both grazing and cutting systems
- > Excellent spring growth and mid-season grazing
- > Available with or without White Clover

### Contains

Weatherby  
Boyne  
Seagoe (T)  
Nolwen (T)  
Toddington  
Nashota (T)  
White Clover

ACTive8™  
Treated

Seeds per m<sup>2</sup>  
**1483**

Suggested sowing rate  
**13-15**  
kg/acre

Pack size  
**20**kg

|            |            |
|------------|------------|
| Tetraploid | <b>51%</b> |
| Diploid    | <b>41%</b> |

|                  |            |
|------------------|------------|
| Intermediate PRG | <b>48%</b> |
| Late PRG         | <b>46%</b> |
| White Clover     | <b>6%*</b> |

# LONG TERM (6 YEARS PLUS)

## NO.63 INTENSIVE LONG TERM GRAZER

The ultimate grazing mixture for all intensive grazing systems.

- > High production but dense mixture that will withstand being grazed intensively
- > New varieties increase grazing in the shoulders of the year whilst maintaining summer growth
- > Inclusion of late heading perennial ryegrasses means better midsummer grazing in carefully managed swards
- > Available with or without White Clover

\*Available with Timothy as an option



ACTiVe8<sup>™</sup>  
Treated

### Contains

|        |              |
|--------|--------------|
| Agaska | Thegn (T)    |
| Nifty  | Nashota (T)  |
| Cancan | Comer*       |
| Bowie  | White Clover |
| Swan   |              |

Seeds per m<sup>2</sup> **1902**  
Suggested sowing rate **13-16 kg/acre**  
Pack size **20kg**

|            |            |
|------------|------------|
| Tetraploid | <b>30%</b> |
| Diploid    | <b>70%</b> |

|                  |             |
|------------------|-------------|
| Intermediate PRG | <b>29%</b>  |
| Late PRG         | <b>65%*</b> |
| Timothy          | <b>6%*</b>  |

## NO.58 PERMANENT PASTURE

Dual-purpose mixture ideal for long term beef and sheep production.

- > Long term, dense dual-purpose mixture ideal for long term beef & sheep scenarios
- > It produces good spring growth followed by excellent grazing throughout the summer and into the autumn
- > Ground cover is excellent and so will carry livestock for longer
- > Available with or without White Clover



ACTiVe8<sup>™</sup>  
Treated

### Contains

|            |              |
|------------|--------------|
| Nifty      | Toddington   |
| Boyne      | Nashota (T)  |
| Seagoe (T) | Comer        |
| Swan       | White Clover |

Seeds per m<sup>2</sup> **1925**  
Suggested sowing rate **13-15 kg/acre**  
Pack size **20kg**

|            |            |
|------------|------------|
| Tetraploid | <b>48%</b> |
| Diploid    | <b>52%</b> |

|                  |            |
|------------------|------------|
| Intermediate PRG | <b>46%</b> |
| Late PRG         | <b>41%</b> |
| Timothy          | <b>7%</b>  |
| White Clover     | <b>6%</b>  |

# SPECIALIST MIXTURES

## NO.65 DURABLE PASTURE

Long term mixture selected to withstand high rainfall and water tables.

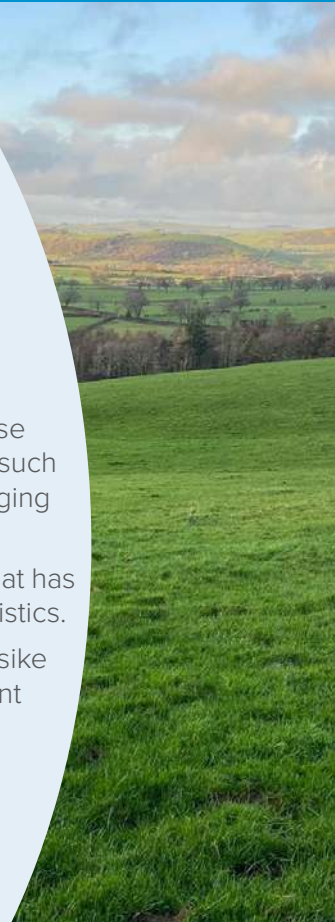
- > Produces a dense and persistent sward that has the potential to withstand harsh conditions longer than most mixtures
- > Includes high performing grass species and clovers for extreme conditions
- > Needs to be well established before ground conditions are waterlogged



## NO.67 UPLAND GRAZER

Permanent grass mixture for extreme situations.

- > Mixture specially selected for use in intensively grazed situations such as upland areas and more challenging areas difficult to access.
- > Produces a very dense sward that has excellent persistence characteristics.
- > High proportion of white and alsike clovers for nutrient enhancement without the need for inputs.
- > Includes Timothy and Creeping Red Fescue to increase the biodiversity and maintain growth in difficult conditions.



### Contains

|            |        |              |
|------------|--------|--------------|
| Boyne      | Hipast | Ermo         |
| Nolwen (T) | Comer  | White Clover |
| Swan       | Laura  |              |
| Cavendish  | Donata |              |

|                          |                       |             |        |            |
|--------------------------|-----------------------|-------------|--------|------------|
| Seeds per m <sup>2</sup> | Suggested sowing rate | Pack size   |        |            |
| <b>2156</b>              | <b>13-15 kg/acre</b>  | <b>20kg</b> | IPRG   | <b>30%</b> |
|                          |                       |             | LPRG   | <b>26%</b> |
|                          |                       |             | Clover | <b>10%</b> |
|                          |                       |             | Other  | <b>44%</b> |

### Contains

|            |        |              |
|------------|--------|--------------|
| Boyne      | Cancan | Comer        |
| Toddington | Maxima | White Clover |
| Bowie      | Evora  |              |

|                          |                       |             |       |            |
|--------------------------|-----------------------|-------------|-------|------------|
| Seeds per m <sup>2</sup> | Suggested sowing rate | Pack size   |       |            |
| <b>3141</b>              | <b>13 kg/acre</b>     | <b>20kg</b> | Other | <b>37%</b> |
|                          |                       |             | IPRG  | <b>21%</b> |
|                          |                       |             | LPRG  | <b>42%</b> |

## NO.37 DOUBLE PROFIT

Contains a range of early, intermediate PRG for an early growing, high yielding dual purpose mixture.

- > Clover free mixture

### Contains

Tetragraze (T)  
Genesis  
Boyne  
Nolwen (T)  
Twymax (T)

|                          |                       |             |
|--------------------------|-----------------------|-------------|
| Seeds per m <sup>2</sup> | Suggested sowing rate | Pack size   |
| <b>964</b>               | <b>12-14 kg/acre</b>  | <b>20kg</b> |

## NO.50 LONG TERM

Long term dual-purpose mixture with Timothy for cutting and grazing by all classes of livestock.

- > Contains White Clover

### Contains

Genesis  
Boyne  
Nolwen (T)  
Cavendish  
Twymax (T)  
Rivendel

|                          |                       |             |
|--------------------------|-----------------------|-------------|
| Seeds per m <sup>2</sup> | Suggested sowing rate | Pack size   |
| <b>1239</b>              | <b>12-14 kg/acre</b>  | <b>20kg</b> |

# SPECIALIST MIXTURES

## PASTURE RESTORER

A carefully balanced blend of varieties to improve swards.

ProNitro® is a seed treatment with both fast and slow release nitrogen fertilisers.

It supplies nutrients only to the new seeds and not the established grasses or weeds resulting in stronger, more and competitive new grasses.

- > Our Pasture Restorer seeds are coated with ProNitro® for faster and stronger establishment
- > This replaces the need for additional fertiliser as each seedling receives the extra nutrient and not the established grasses



| Contains   |                                    |
|--|------------------------------------|
| With Clover  | Without Clover                     |
| Diwan (T)<br>Hopi (T)<br>Thegn (T)<br>White Clover | Diwan (T)<br>Hopi (T)<br>Thegn (T) |



Seeds per m<sup>2</sup> **921**

Suggested sowing rate **8-10 kg/acre**

Pack size **20kg**

**ProNitro**<sup>®</sup>  
READY TO GROW

|              |            |
|--------------|------------|
| Diwan (T)    | <b>30%</b> |
| Hopi (T)     | <b>30%</b> |
| Thegn (T)    | <b>30%</b> |
| White Clover | <b>10%</b> |

|            |             |
|------------|-------------|
| Tetraploid | <b>100%</b> |
|------------|-------------|

## NO.71 GALLOWAY LT

Specially formulated for South West Scotland.

- > No. 71 Galloway Long Term is a true dual-purpose mixture which combines high yields with long-term persistence giving high quality performance for all soil types and climates
- > It has excellent feeding quality for all classes of livestock and the excellent disease resistance results in greater palatability
- > The high yield performance of medium term mixtures but with the persistence of a long term ley



**ACTive8**<sup>™</sup>  
Treated

### Contains

|            |              |
|------------|--------------|
| Boyne      | Nashota      |
| Strangford | Comer        |
| Seagoe     | White Clover |
| Evocative  |              |

Seeds per m<sup>2</sup> **2121**

Suggested sowing rate **14 kg/acre**

Pack size **20kg**

|            |            |
|------------|------------|
| Tetraploid | <b>34%</b> |
| Diploid    | <b>76%</b> |

|                  |            |
|------------------|------------|
| Intermediate PRG | <b>54%</b> |
| Late PRG         | <b>34%</b> |
| Timothy          | <b>6%</b>  |
| White Clover     | <b>6%</b>  |



# SPECIALIST MIXTURES

## HAYLAGE PRO LT

**Long term quality haylage with Timothy.**

- > A longer term mixture that produces finer forage than Haylage Pro ST
- > Based on all diploid species and provides high quality haylage or hay for 6+ years

### Contains

|         |            |
|---------|------------|
| Genesis | Toddington |
| Boyne   | Winnetou   |
| Nifty   |            |

## HAYLAGE PLUS ST

**A short-term mixture for hay/haylage production.**

- > Quality hay or haylage from diploid IRG and Festuloliums
- > Does not contain Timothy
- > Suitable for hay or haylage cuts followed by grazing for up to 4 years

### Contains

|         |       |
|---------|-------|
| Sendero | Alamo |
| Fox     |       |

**Other equine mixes also available**



# ORGANIC LEYS

## NO. 1 ORGANIC FERTILITY BUILDER

**Organic.**

- > High yielding 2-3 year ley with a large proportion of Red Clover to enhance DM and protein yields
- > Possibility of taking 1-3 cuts of silage starting end of May/early June before aftermath grazing

## NO. 3 CUTTING MIXTURE

**Medium/long term organic grazing.**

- > Designed to produce high quality silage
- > The varieties chosen have a close range of cutting dates which can produce higher ME levels than general purpose leys
- > Primarily designed for cutting

## NO. 2 ORGANIC GRAZING MIXTURE

**Medium/long term organic grazing.**

- > Contains a high percentage of tetraploid giving increased palatability and drought tolerance
- > Resultant ley gives medium to long term organic grazing
- > White Clover blend helps to maintain soil fertility

## NO. 4 GENERAL PURPOSE MIXTURE

**Quality medium term dual purpose.**

- > The range of varieties helps provide a successive pattern of growth from early spring into autumn
- > Timothy improves mid-summer production
- > High level of White Clover adds to sward growth and digestibility designed for high quality organic grazing and conservation

**All ACTION organic mixtures contain at least 70% organically produced seed.**

# MEDIUM TERM (3-5 YEARS PLUS)

## NO.10 HIGH PROTEIN

### 3-5 year Red Clover mixture.

- > Blend of Hybrid Ryegrasses, Festulolium and Red Clover
- > Capable of producing high yields of 18% protein forage
- > Requires little or no nitrogen fertiliser
- > Excellent spring growth and quick recovery gives flexibility to take 3 + cuts or several grazings
- > Allows flowers to form at least once per season - especially before first cut year 1

ACTiVe8<sup>™</sup>  
Treated

#### Contains

Tetragraze (T)  
Astoncrusader  
Perseus  
Lofa  
Red Clover

Seeds per m<sup>2</sup>  
**948**

Suggested sowing rate  
**12-14 kg/acre**

Pack size  
**20kg**

|            |            |
|------------|------------|
| Tetraploid | <b>40%</b> |
| Diploid    | <b>60%</b> |

|                 |            |
|-----------------|------------|
| Red Clover      | <b>20%</b> |
| Hybrid Ryegrass | <b>40%</b> |
| Festulolium     | <b>40%</b> |

## NO.23 HEAVY SILAGE

### 3-4 year silage mixture with grazing qualities.

- > Medium term silage mixture with potential for aftermath grazing into the autumn
- > Designed to give multiple silage cuts per year so perfect for a multi-cut system
- > Inclusion of Hybrid Ryegrass and Festuloliums ensure early spring growth and fast recovery
- > Inclusion of Intermediate PRG gives improved quality, density and persistence

ACTiVe8<sup>™</sup>  
Treated

#### Contains

Tetragraze (T)  
Aston Crusader (T)  
Perseus  
Lofa  
Boyne  
Seagoe (T)

Seeds per m<sup>2</sup>  
**918**

Suggested sowing rate  
**13-15 kg/acre**

Pack size  
**20kg**

|            |            |
|------------|------------|
| Tetraploid | <b>65%</b> |
| Diploid    | <b>35%</b> |

|                  |            |
|------------------|------------|
| Hybrid RG        | <b>25%</b> |
| Intermediate PRG | <b>30%</b> |
| Festulolium      | <b>30%</b> |

# MEDIUM TERM (3-5 YEARS PLUS)

## NO. 8 SILAGE MAKER

### Medium term high production ley.

- > Very high yielding 2--4 year ley with fast spring growth and impressive regrowth
- > Can produce 4/5 cuts per year with fresh yields around 30 tonnes per acre
- > Suitable for use as a grazing ley by all classes of livestock
- > Use to extend the grazing season in very early spring and late autumn



**ACTive8™  
Treated**

#### Contains

Alamo  
Fox  
Perun  
Astoncrusader (T)  
Tetragraze (T)

Seeds per m<sup>2</sup> **917**  
Suggested sowing rate **12-14 kg/acre**  
Pack size **20kg**

|            |            |
|------------|------------|
| Tetraploid | <b>65%</b> |
| Diploid    | <b>35%</b> |

|                  |            |
|------------------|------------|
| Italian Ryegrass | <b>40%</b> |
| Hybrid Ryegrass  | <b>40%</b> |
| Festulolium      | <b>20%</b> |

## NO.66 DRYLANDER

### Do you struggle to grow enough grass in drier conditions?

- > The ideal mixture for drought prone situations or where nutrient availability is compromised
- > Containing a range of high yielding grasses and clovers selected for their exceptional rooting capabilities
- > Use where soil moisture and nutrients are inherently lower
- > Available with or without Red Clover



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Treated**

#### Contains

Perseus  
Perun  
Lofa  
Hipast  
Nolwen  
Hopi (T)  
Tower  
Donata  
Red Clover

Seeds per m<sup>2</sup> **2156**  
Suggested sowing rate **12-14 kg/acre**  
Pack size **20kg**

|            |            |
|------------|------------|
| Tetraploid | <b>70%</b> |
| Diploid    | <b>22%</b> |
| Red Clover | <b>8%</b>  |

# SHORT TERM (UP TO 2 YEARS)

## RAPID GRASS SPRINTER

A short term forage mixture for high production.

- > A blend of Italian and Westerwolds ryegrass
- > Rapidly produces big yields of high-quality forage
- > Use for a short-term solution to forage shortages
- > Ideal mixture to sow before maize in autumn or undersowing into maize

ACTive8<sup>™</sup>  
Treated

## CLAMPBUSTER CATCHCROP

Versatile and high production mixture for up to 2 years.

- > A blend of diploid and tetraploid Italian Ryegrasses
- > Suitable for a range of short term uses
- > Ideal for post-maize to produce a bumper crop in early spring

### Contains

Westerwold  
Italian Ryegrass

Suggested sowing rate  
**12-14**  
kg/acre

Pack size  
**20kg**

### Contains

Diploid IRG  
Tetraploid IRG

Suggested sowing rate  
**12-14**  
kg/acre

Pack size  
**20kg**

## ACT MULTICOVER

Multi species cover containing IRG and Crimson Clover.

- > Excellent short term mixture for all situations with additional nitrogen and supplied protein supplied by crimson clover.
- > Suitable for use with the following **SFI** Schemes:
  - **SAM2** Multi Species Winter Cover; Multi Species

Compliant with

**SAM2**

## EXTENDAGRAZE

Flexible grazing IRG and brassica catch crop.

- > A blend of IRG and forage rape
- > Ideal for summer or extended grazing through the autumn
- > Potential for 2+ grazings of forage
- > IRG can be left for overwintering, spring grazing or an early spring cut
- > Also available as Extendagraze Pro+ with 10 Crimson Clover for additional protein & nitrogen fixing
- > Suitable for use with the following **SFI** Schemes:
  - **SAM2** Multi Species Winter Cover; Multi Species

Compliant with

**SAM2**

### Contains

Sikem  
Turgo (T)  
Crimson Clover

Suggested sowing rate  
**8-15**  
kg/acre

Pack size  
**20kg**

### Contains

Fox  
Alamo  
Emerald

Suggested sowing rate  
**10-15**  
kg/acre

Pack size  
**20kg**

# SHORT TERM (UP TO 2 YEARS)

Compliant with

GS4

SAM2

## NO. 70 DIVERSE HERBAL

The most productive legume & herb rich mixture

Contains the following requisite species required for both SAM3 and GS4 schemes:

**5 Grasses • 3 Legumes • 5 Herbal Plants**

- > Designed to be compliant with Diverse Herbal Leys schemes which aim to establish a mixed sward of grasses, legumes, herbs and wildflowers
- > The emphasis on this mixture is to be both compliant and more productive than other purely stewardship type mixtures

### Contains

| 5 grasses 70% |     | 3 legumes 20%  |     | 5 herbal plants 10% |       |
|---------------|-----|----------------|-----|---------------------|-------|
| PRG           | 40% | Red Clover     | 10% | Plantain            | 4%    |
| Festulolium   | 15% | Yellow Trefoil | 5%  | Sheep's Burnett     | 3%    |
| Cocksfoot     | 5%  | Alsike Clover  | 3%  | Sheep's Parsley     | 2.73% |
| Timothy       | 5%  |                |     | Yarrow              | 0.25% |
| Meadow Fescue | 5%  |                |     | Oxeje Daisy         | 0.02% |

ACTivE8™  
Treated

Seeds per m<sup>2</sup> **1927**  
Suggested sowing rate **11-14 kg/acre**  
Pack size **20kg**

|         |            |
|---------|------------|
| Grasses | <b>70%</b> |
| Legumes | <b>20%</b> |
| Herbs   | <b>10%</b> |

## NO. 77 MULTI-SPECIES LEY

No. 77 Multi-Species Ley is designed to be compatible with several options of the Wales Growing for the Environment schemes which aim to establish a mixed ley, comprising minimum 5 grass species, 3 legume species and 3 herb species.

Contains the requisite species and crucially proportions of grasses – 6kg/ha of PRG and 9kg of 'other grasses' with the total grasses being 15kg/ha.

3 legumes are included for their nitrogen fixing properties, helping to reduce the use of inorganic fertilisers, and the excellent rooting capabilities of red clover. In addition many of the included species have excellent deep rooting helping to improve water uptake for the sward.

The high proportion of 5 herbal plants not only increase dry matter intakes but can also provide abundant foodstuffs for nectar feeding insects and birds.

This ley can be used as a grazing ley in its own right or undersown into spring cereal and protein crops such as a Pea Barley arable silage or spring barley.

Sowing rate of this mixture must be maintained at a minimum of 25kg per hectare to be compliant with the schemes' specifications.

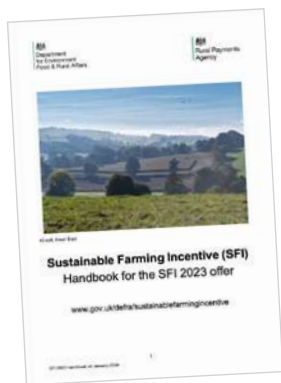
Seeds per m<sup>2</sup> **2148**  
Suggested sowing rate **11-15 kg/acre**  
Pack size **20kg**

|                 |          |
|-----------------|----------|
| Grasses Species | <b>5</b> |
| Legume Species  | <b>3</b> |
| Herbal Species  | <b>3</b> |



| ACT Multi species ley |                      |                   | Kg per ha |
|-----------------------|----------------------|-------------------|-----------|
| 12%                   | Bowie (T)            | I PRG             | 3         |
| 12%                   | Thegn                | L PRG             | 3         |
| 11%                   | Comtal               | Timothy           | 2.75      |
| 11%                   | Donata               | Cocksfoot         | 2.75      |
| 8%                    | Laura                | Meadow Fescue     | 2         |
| 6%                    | Hipast               | TF Festulolium    | 1.5       |
| 10%                   | Red Clover Blend     | Red Clover        | 2.5       |
| 5%                    | DP Clover Blend      | White Clover      | 1.25      |
| 3%                    | Leo                  | Birdsfoot Trefoil | 0.75      |
| 12%                   | Sainfoin             |                   | 3         |
| 4%                    | Tonic                | Plantain          | 1         |
| 1%                    | Sheeps Parsley       |                   | 0.25      |
| 1%                    | Sheeps Burnet        |                   | 0.25      |
| 4%                    | Choice               | Chicory           | 1         |
| <b>100%</b>           | <b>20kgs per bag</b> |                   | <b>25</b> |

# MIXTURES FOR COUNTRYSIDE STEWARDSHIP &



The NEW Sustainable Farming Initiative and the existing Countryside Stewardship Schemes are taking on a more important role in farm business planning with the SFI Outcomes encouraging a wider interest in establishing these crop areas.

There is much confusion and mis-information surrounding what is and is not compliant with the new schemes, however we do know that mixtures that follow the guidance from DEFRA will give you high forage yields and an assurance of meeting regulatory inspection. Saving a few £'s on seed could end up costing you hundreds of £'s per Hectare.

**ACT can supply a full range of seed mixture for SFI and CSS options, some of which are listed below which we know are appropriate, productive, and crucially compliant.**

Compliant with

**AHL1** **SAM2**

## Annual Nectar Mixture

|      |                |
|------|----------------|
| 25%  | Buckwheat      |
| 25%  | Linseed        |
| 20%  | Vetch          |
| 15%  | Crimson Clover |
| 10%  | Berseem Clover |
| 4.6% | Phacelia       |
| 0.2% | Black Knapweed |
| 0.2% | Ag Yarrow      |



> Suitable for use with the following **SFI** Schemes:

- **AHL1** Pollen And Nectar Flower Mixture
- **SAM2** Multi Species Winter Cover

Suggested sowing rate  
**20kg/Hectare**  
Pack size **20kg**

Compliant with

**AB9** **AHL2**

## Winter bird food ACT Wild Bird Seed 1

|     |                  |
|-----|------------------|
| 40% | Spring Triticale |
| 28% | Spring Barley    |
| 15% | Spring Wheat     |
| 10% | Fodder Radish    |
| 5%  | White Millet     |
| 2%  | Red Millet       |

*Mixture may change depending on cereal seed availability*



> Suitable for use with the following

- CSS** and **SFI** Schemes:
- **AB9** Winter Bird Food
- **AHL2** Winter Bird Food

> 1 Year Spring Sown

Suggested sowing rate  
**40kg/Hectare**  
Pack size **20kg**

Compliant with

**AB8** **IPM2**

## Flower-rich grass margins

### ACT Wildflower & Grass Rich BGM4

|       |                     |
|-------|---------------------|
| 45%   | Creeping Red Fescue |
| 15%   | SSMG                |
| 15%   | Chewings Fescue     |
| 15%   | Hard Fescue         |
| 2.5%  | Sainfoin            |
| 2.5%  | Vetch               |
| 1.5%  | Red Clover          |
| 1.25% | Alsike Clover       |
| 0.75% | Plantain            |
| 0.5%  | Birdsfoot Trefoil   |
| 0.25% | Black Knapweed (N)  |
| 0.25% | Oxeye Daisy         |
| 0.25% | Sheeps Burnet       |
| 0.25% | Yarrow              |



> Suitable for use with the following **CSS** and **SFI** Schemes:

- **AB8** Flower Rich Margins
- **IPM2** Flower Rich Margins

Suggested sowing rate  
**16-20kg/Hectare**  
Pack size **20kg**

**DISCLAIMER: Any information provided on these mixtures is given in good faith and to the best of our knowledge at the time of publication. Compliance to any legislation is the responsibility of the buyer and ACT accept no liability for non-compliance.**

**If you would like further advice, please contact your local Natural England Advisor.**

# SUSTAINABLE FARMING INCENTIVE SCHEMES

Compliant with

AB15

NUM3

NUM2

## Two-year sown legume fallow

### ACT Legume Fallow

Agreements starting on or after 1st Jan 2021

|     |                       |
|-----|-----------------------|
| 52% | Vetch                 |
| 12% | Alsike Clover         |
| 12% | Crimson Clover        |
| 12% | Lucerne (Innoculated) |
| 10% | Red Clover            |
| 1%  | Birdsfoot Trefoil     |
| 1%  | Black Medick          |



> Suitable for use with the following **CSS** and **SFI** Schemes:

- **AB15** Legume Fallow
- **IPM2** Legume Fallow

Suggested sowing rate  
**15-20kg/Hectare**  
Pack size **20kg**

Compliant with

GS4

SAM3

## Legume and herb-rich swards

### No.70 Diverse Herbal

|       |                    |
|-------|--------------------|
| 40%   | LPRG               |
| 15%   | Festulolium        |
| 5%    | Cocksfoot          |
| 5%    | Timothy            |
| 5%    | Meadow Fescue      |
| 12%   | Red Clover         |
| 5%    | Birds Foot Trefoil |
| 3%    | Alsike Clover      |
| 4%    | Plantain           |
| 3%    | Sheep's Burnett    |
| 2.73% | Sheep's Parsley    |
| 0.25% | Yarrow             |
| 0.02% | Oxeye Daisy        |



> Suitable for use with the following **CSS** and **SFI** Schemes:

- **GS4** Legume & Herb Rich Swards 15
- **SAM3** SAM3 Herbal Leys

Suggested sowing rate  
**27-35kg/Hectare**  
Pack size **20kg**

Compliant with

NUM2

## Legumes on Improved Grassland

### ACT Legume and Herb Overseeding Mixture with Grass

|     |          |                     |
|-----|----------|---------------------|
| 10% | Laura    | Meadow Fescue       |
| 10% | Tower    | Tall Fescue         |
| 5%  | Comer    | Timothy             |
| 10% | Maxima   | Creeping Red Fescue |
| 14% | Sangria  | Red Clover          |
| 14% | Rivendel | White Clover        |
| 5%  | Ermo     | Alsike Clover       |
| 17% | Ribwort  | Plantain            |
| 5%  | Sheeps   | Burnet              |
| 5%  | Sheeps   | Parsley             |
| 4%  | Green    | Fennel              |
| 1%  | Yarrow   |                     |



> For overseeding ryegrass fields to increase the legumes and herb content

> Suitable for use with the following **SFI** Schemes:

- **NUM2** Legumes On Improved Grassland









Suggested sowing rate  
**5-10kg/Hectare**  
Pack size **20kg**

For the latest guidance download the 2024 SFI handbook via this QR code. Further information is available from your local Natural England Advisor.



# FODDER & ENERGY BEET

## FODDER & ENERGY BEET SOWING INFORMATION

|                                   |                                       |  |   |  |   |
|-----------------------------------|---------------------------------------|--|---|--|---|
| <b>Optimum Sowing Period</b>      | Late March – End April                |             |  |  |  |
| <b>Precision Drill</b>            | 100,000 seeds/ha<br>45,000 seeds/acre |  |   |  |   |
| <b>Pack Size</b>                  | 50,000 seed unit                      |  |   |  |   |
|                                   |                                       | <b>Low Dry Matter %</b>  | <b>Medium Dry Matter %</b>  | <b>High Dry Matter %</b>   | <b>Very High Dry Matter %</b>   |
| <b>Dry Matter of Root</b>         |                                       | 11 – 13  | 14 -16  | 17 – 20  | 20-23   |
| <b>% Root in Ground</b>           |                                       | 40 - 50  | 55 - 65   | 65 - 75  | 75+   |
| <b>Variety</b>                    |                                       | Feldherr, Jamon  | Bangor, Blaze, Robbos   | Enermax, Magnum  | Brick, Tadorne  |
| <b>Harvest/Utilisation method</b> |                                       | Graze or Hand Lift   | Graze or Lift   | Lift   | Lift  |
| <b>Feeding</b>                    |                                       | Whole or Chopped   | Whole or Chopped  | Chopped  | Chopped   |
| <b>Dry Matter Yield</b>           |                                       | Higher    |   |  |   |
| <b>Fresh Yield</b>                |                                       | Higher      |   |  |   |
| <b>Storage Capability</b>         |                                       | Longer    |   |  |   |
| <b>Dirt Tare</b>                  |                                       | Higher  |   |  |   |

### Low – Medium Dry Matter Beet (11-13% DM)

These beet are very low dry matter but very high fresh yields and can be grazed or lifted and fed.

#### Feldherr

- > One of the highest yielding fresh weights from a fodder beet. Ideal for sheep or cattle

#### Jamon

- > Orange rooted, consistent performer with good disease and bolting resistance. Large amount of leaf allowing for easy top lifting



### Medium Dry Matter Varieties (14-17% DM)

Often considered to be lift or graze varieties – ideal for a dairy or cattle grazing. They have uniform sized beet and so are suitable for machine lifting or grazing in situ depending on the system.

#### Bangor (Force Treated)

- > New yellow skinned beet with high yields
- > High proportion of beet above ground and has very uniform smooth beet making it a very flexible grazing and lifting type

#### Robbos (Force Treated)

- > Robbos is ideally suited for first time fodder beet growers
- > Clean yellow roots are easily harvested
- > Available with primed seed

#### Blaze (Force Treated)

- > Blaze has the potential to produce excellent dry matter yields with very clean, bright red roots
- > Low dirt contamination ensures high intakes

### High Dry Matter Varieties (18-23%DM)

Also known as Energy Beet so ideal for AD use but also lifting and transporting/selling. They have uniform sized beet which are 70% in the soil so only suitable for machine lifting

#### Enermax

- > High yielding with a low dirt tare Enermax has a clean, white, smooth-skinned root
- > Shallow rooting resulting in cleaner roots, particularly important for dairy
- > Rhizomania tolerant

#### Magnum

- > Remains a popular choice as it's a consistent performer
- > Uniform sized, white-roots of high DM content
- > Good resistance to rust

#### Tadorne LG (Force Treated)

- > A white rooted variety
- > Bred especially for AD, with very excellent DM yields
- > High DM content reduces clamp losses & enables the beet to be stored for longer
- > Rhizomania resistant

#### Brick (Force Treated)

- > High yielding variety for growers looking to produce a high-quality feed with a higher DM content %
- > Brick is a true fodder beet that delivers very high dry matter yields
- > Rhizomania tolerant



# WHOLECROP SILAGE MIXTURES

Wholecropped arable silage or 'Wholecrop' can be grown to increase production from forage in several ways that will spread the risk of forage shortages.

It's important to choose the right combination of appropriately maturing crops for your situation – contact us to discuss your options. We can supply a range of mixtures with varying amounts of spring barley or oats and legumes.

|  |  |
|--|--|
| <b>60% Barley + 40% Pea</b>  | <b>60% Pea + 40% Barley</b>  |
| A mixture with more emphasis on the bulk and starch of barley supported with the protein and starch production of the peas | A more Pea rich mixture designed to produce a bulky crop with a high crude protein content.                        |
| <b>Oats + Barley + Peas</b>  | <b>50% Pea + 50% Barley</b>  |
| A bulky mixture based on a barley/oat/pea mixture giving good palatability as well as reasonable protein.                  | This new option is designed to also be compatible with Wales Growing for the Environment option 7 & 8. <b>NEW!</b> |

Organic version available.



## BENEFITS OF WHOLECROP SILAGE

Wholecrop is an excellent break crop between grass re-seeds giving perfect conditions with little additional cultivations required.

In addition it is a forage crop that can be grown with zero bagged nitrogen being applied, plus leaves residual nitrogen for a following crop.

- > Yields of 12-13 DM tonnes/ha at 45% DM can be expected if you get the crop established well (5 DM tonnes/acre)
- > Fresh weight yields 55 tonnes ha (20 tonnes per acre)
- > Arable silage can be ready to harvest in 12-14 weeks
- > An excellent break crop if you are planning on a full re-seed
- > The addition of peas to the mixture increased protein by 50%
- > Peas supply a potential 70+kg of residual nitrogen per hectare for the following crop
- > Can be undersown with a competitive grass mixture – however the wholecrop must be at a reduced sowing rate

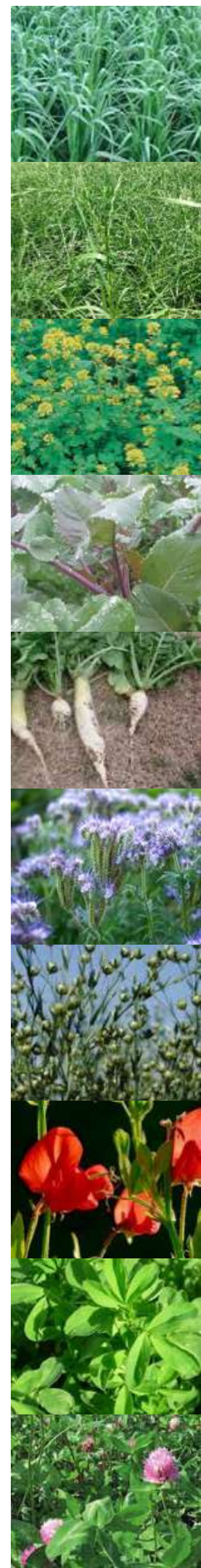
|                     |   |
|---------------------|---|
| <b>Sowing Date</b>  | Mid March to Mid April  |
| <b>Sowing Depth</b> | 3-4 cm  |
| <b>Seed Rate</b>    | 75kg per acre (180kg per ha).<br>If undersowing use 50kg per acre |



# SOIL IMPROVING SPECIES



|   |   |
|---|---|
| <p><b>Forage Rye</b></p> <p>Excellent weed suppression and high biomass. N and K lift and hold. Increase organic matter in soil. Quick to establish so can be sown later. Often sown with Vetch as a cost effective cover crop.</p> <p><b>Sow at 60kg/ha</b></p>  | <p><b>Oats</b></p> <p>Excellent weed suppression due to Allelopathy. N, P, K and Mg lift and hold and increase organic matter in soil. Can be sown with vetch. Use winter types to last overwinter, spring if you want it to die off in frost.</p> <p><b>Sow at 50kg/ha</b></p> |
| <p><b>Italian Rye Grass</b></p> <p>Excellent biomass production above and below ground. IRG is quick to establish with weed suppressing qualities. Long term soil improvement characteristics which can be grazed or silage.</p> <p><b>Sow at 25kg/ha</b></p>   | <p><b>Westerwold Ryegrass</b></p> <p>Excellent biomass production above and below ground. IRG is quick to establish with weed suppressing qualities. Medium term (6 -9 months) soil improvement characteristics which can be grazed or silage.</p> <p><b>Sow at 25kg/ha</b></p> |
| <p><b>Black Oats</b></p> <p>Very quick establishment for good weed suppress as also alleopathic. N and K lift and hold/variable frost susceptibility/Increases organic matter.</p> <p><b>Sow at 40kg/ha</b></p>   | <p><b>White Mustard</b></p> <p>Excellent biomass and so increases organic matter. Superior weed suppression. Traps N and K in growing crop. Produces isothiocyanate giving biocidal effects against weeds and pests. Some nematode activity.</p> <p><b>Sow at 12kg/ha</b></p>   |
| <p><b>Brown Mustard</b></p> <p>Very strong early vigour for weed suppression. Produces isothiocyanate for biocidal effects. Active against PCNs. Some frost tolerance. Increases organic matter and traps N and K. Suitable for grazing. Can be sown later than most crops.</p> <p><b>Sow at 5kg/ha</b></p>                       | <p><b>Kale/Mustard Hybrid</b></p> <p>Very quick to establish for excellent weed suppression. Traps N, P and K. Is frost tolerant. Can provide excellent game bird cover over winter. e.g. Carbon.</p> <p><b>Sow at 5kg/ha</b></p>   |
| <p><b>Oil Radish Standard</b></p> <p>Deep root soil conditioner, good weed suppressant plus high biomass so increases soil organic content. Traps N and K. Produces high levels of isothiocyanate for biofumigation and some nematode control. Most oilseed radish exhibit club root resistance.</p> <p><b>Sow at 12kg/ha</b></p> | <p><b>Oil Radish Class 1</b></p> <p>Offers the best of beet cyst nematode control</p> <p><b>Oil Radish Class 2</b></p> <p>Significantly reduces beet cyst nematodes.</p>  |
| <p><b>Tillage Radish</b></p> <p>Longer tap root for deeper soil conditioning. Also traps N and K. Produces isothiocyanates for biofumigation. Significant control of beet cyst nematode as well as other nematodes.</p> <p><b>Sow at 12kg/ha</b></p>  | <p><b>Phacelia</b></p> <p>Excellent disease break crop/insect attractant, hover flies eat aphids. Breaks down quickly for C, P, K and Mg.</p> <p><b>Sow at 6kg/ha</b></p>   |
| <p><b>Buckwheat</b></p> <p>Raises nutrients N and P lift and hold as buckwheat is an excellent phosphate trapper. Very quick growing with large biomass. Insect attractant. Can be very susceptible to frost kill so a short catch crop.</p> <p><b>Sow at 50kg/ha</b></p>   | <p><b>Linseed</b></p> <p>Easy to establish and is good at helping lift Nitrogen in soil. Branching tap root for soil conditioning. Not as attractive to slugs as some other species.</p> <p><b>Sow at 30kg/ha</b></p>   |
| <p><b>Vetch</b></p> <p>Excellent nitrogen fixer especially if drilled early, very compatible with rye/oats. Spring and Winter vetch options are available.</p> <p><b>Sow at 40kg/ha</b></p>   | <p><b>Red Vetch</b></p> <p>Quick growing high biomass option. A more frost susceptible vetch option.</p> <p><b>Sow at 40kg/ha</b></p>   |
| <p><b>Berseem/Alexandria/Egyptian Clover</b></p> <p>Annual legume for nitrogen fixing. Quick establishment but variable frost susceptibility. Single cut type with no regrowth habit also available.</p> <p><b>Sow at 12kg/ha</b></p>   | <p><b>Lucerne</b></p> <p>Can be slow to establish but capable of fixing nitrogen. Not ideal for late drilling.</p> <p><b>Sow at 20/kg/ha</b></p>  |
| <p><b>Crimson Clover</b></p> <p>Grows at lower temperatures than other annual legumes. Quick establishment with upright growth habit/weed suppressant/degrades into soil very quickly.</p> <p><b>Sow at 12kg/ha</b></p>   | <p><b>Red Clover</b></p> <p>Historically used as a nutrient restorer and should not be forgotten. Great nitrogen fixer but needs to be drilled early. Winter hardy perennial.</p> <p><b>Sow at 12kg/ha</b></p>  |



# ARABLE CROPS



## MORE THAN JUST FORAGE SEEDS

Did you know ACT can also supply your combinable crop seeds including:

- > Cereals – we can supply a wide range of AHDB Recommended varieties of wheat, barley, oats, triticale and hybrid rye plus peas and beans.



## SOIL IMPROVING MIXTURES

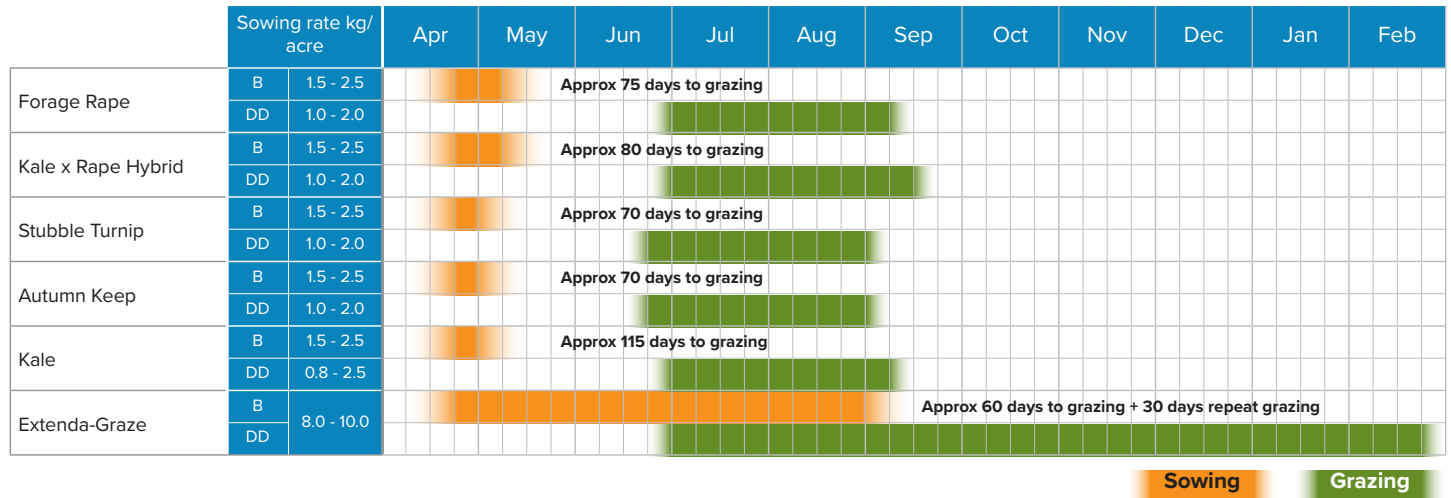


The range of green manure mixtures on this page have been specially formulated to help protect soils as well as improving soil health and fertility.

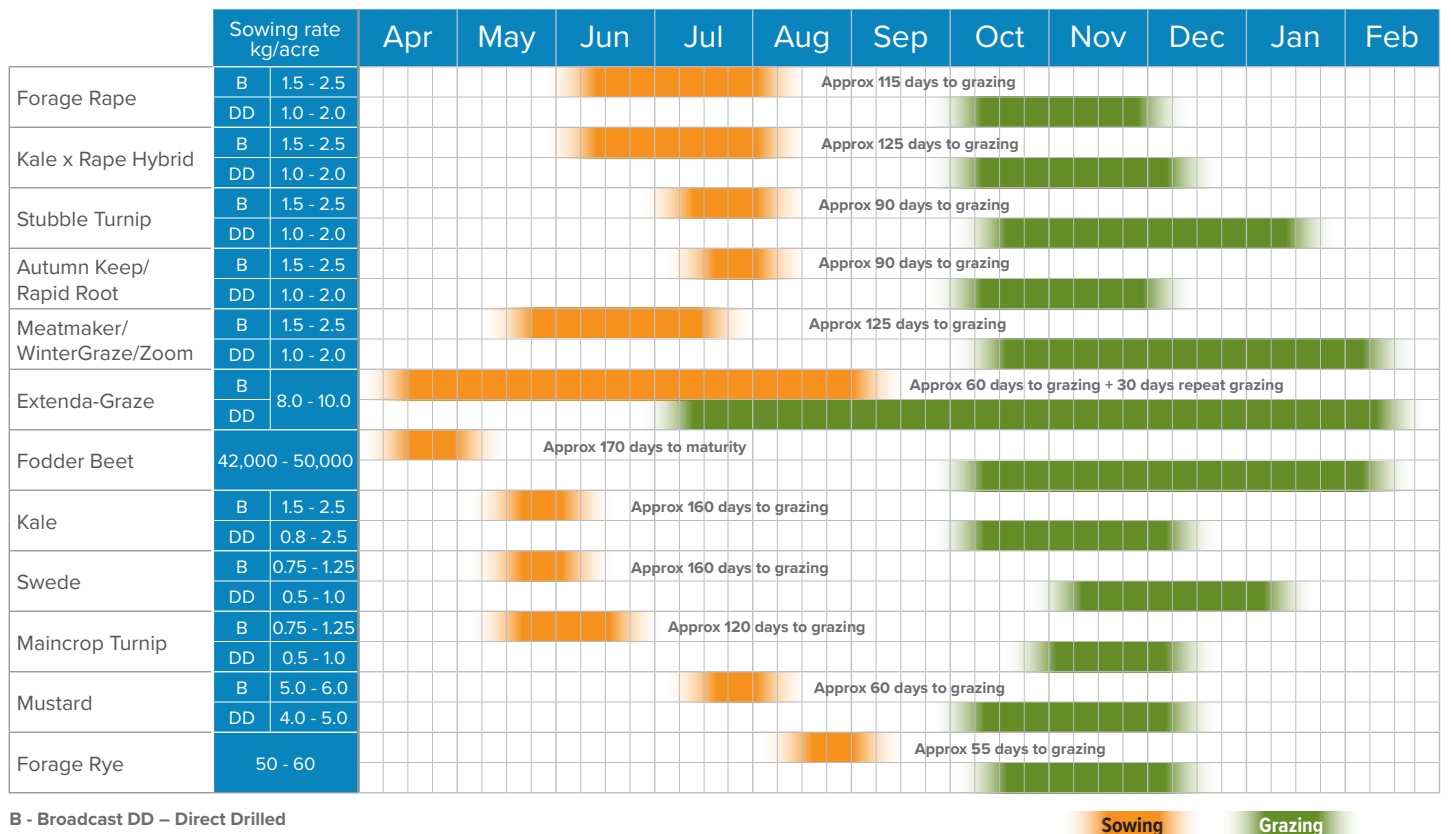
| Mixture Species                        | Uses and scenarios   |
|--|--|
| Rye + Vetch                            | Quick to establish and prolific tillering gives excellent winter cover and weed control. The Vetch fixes nitrogen through the life of the crop and Rye holds the nutrients making it available for following crops. Deep rooting habit helps penetrate into tight soils. High biomass production to increase soil organic matter. Can also be grazed in winter or left for a silage cut in early spring. |
| Rye + Vetch + Mustard                  | Addition of mustard increases the biomass and autumn ground cover. Excellent winter grazing potential.   |
| Rye + Vetch + Westerwold <b>NEW!</b>   | This mixture has been introduced to improve the density and ground cover of the cover crops with the addition of Westerwolds. This not only increases the number of species and increases yield, but also improves the quality potential of this high biomass, quick establishing shorter term cover crop.   |
| Oats + Vetch                           | Similar characteristics to Rye + Vetch however can be used where Take-all is an issue. Rapid establishment and very good cover and weed suppressant.   |
| Rye + Vetch + Phacelia + Oil Radish    | Large biomass for maximum organic matter incorporation potential. This rapidly establishing mixture gives very good weed suppression. Differing rooting depths and growth habits make this a superb cover crop. Grazing potential is also good.  |
| Oats + Mustard + Oil Radish + Phacelia | True multi-species mixture with differing rooting depths and growth habits which helps penetrate tight soils. High biomass potential for increasing organic matter production and weed suppressing.  |

# GRAZING BRASSICA CATCH CROPS

## SPRING SOWN FORAGE CROPS - SOWING & GRAZING



## MAIN SEASON FORAGE CROPS - SOWING & UTILISATION TIMINGS



B - Broadcast DD - Direct Drilled

# STUBBLE TURNIPS

The most widely grown of all grazing brassica forage crops with a yield potential over 4 tonnes DM/ha – equivalent to 3500 lamb grazing days per ha. Soil management and nutrition is crucial if you want to achieve the expected results. Sow by mid August to get the maximum growth available.

Hay or straw should be on offer prior to each grazing, particularly in the case of dairy cows and it is advisable to introduce animals to the crop gradually.

All seed is untreated.

| Sowing and utilisation             |                                       |
|------------------------------------|---------------------------------------|
| Dry Matter                         | 8-9%                                  |
| Cost per ha                        | £305/ha (£124/acre)                   |
| Cost per tonne utilised dry matter | £66                                   |
| Cost per tonne fresh weight        | £5                                    |
| Drill                              | 1.0-2.0kg/acre (2.5 - 5kg/ha)         |
| Broadcast                          | 1.5kg / acre (3.7-6.0kg/ha)           |
| Optimum Sowing Period              | Mid June-Mid August                   |
| Utilisation                        | 80-100 days (Late September-December) |
| Average Dry Matter Yield           | 3.5-4.0 tonnes                        |
| Average Fresh Yields               | 38-45 tonnes/ha                       |



## Vollenda

**Best all rounder variety.**

- > A highly palatable all rounder suitable for summer, autumn or winter grazing
- > High yields of large pink tankard shaped roots
- > Bolting resistance is good so can be sown spring for summer grazing
- > Pack size 10kg and 25kg



## Samson

**Sweet tetraploid tankard shaped roots.**

- > Produces large tankard shaped roots which are palatable for cows and sheep
- > Shown to be a preferential grazer leading to higher intake and growth rates
- > Pack size 5kg and 20kg



## Skyfall

**A new leafy brassica.**

- > Bred for fast leafy grazing and is ideal for strip grazing by dairy or beef cattle in the summer months – ideal as a gap filler
- > Regrowth potential, as long as not overgrazed
- > Pack size 5kg

## Rondo

**The choice for winter grazing.**

- > A green skinned variety for sheep or cattle
- > Leafy habit with excellent disease resistance and so very good for winter grazing up to February
- > Pack size 5kg and 20kg

# FORAGE RAPE - KALE/RAPE HYBRIDS

Rape and hybrids have the advantage of being very fast growing crop suitable for grazing by sheep or cows. Both are an ideal catch crop for boosting mid summer forage production when planted in the spring and are also suitable for fattening lambs in the autumn/winter. Forage rape extends the grazing season in the autumn and is superb for flushing ewes. Ideally strip graze to avoid excessive wastage.

Stock should be transitioned gradually over a two week period and an area of grassland should be available for animals to return to with water and hay or straw should also be made available.

All seed is untreated.

## Sowing and utilisation

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Dry Matter                         | 11-12 %                              |
| Cost per ha                        | £408/ha (£166/acre)                  |
| Cost per tonne utilised dry matter | £107                                 |
| Cost per tonne fresh weight        | £5                                   |
| Drill                              | 1.0-2.0kg/acre (2.5-5kg/ha)          |
| Broadcast                          | 1.5kg-2.5kg / acre (3.7-6.0kg/ha)    |
| Optimum Sowing Period              | Mid June-Mid August                  |
| Utilisation                        | 80-100 days (Late September-January) |
| Average Dry Matter Yield           | 3.5-4.0 tonnes                       |
| Average Fresh Yields               | 24-35 tonnes/ha                      |



### Emerald

#### A fast maturing forage rape.

- > Ready to graze after 10-12 weeks with good dry matter yields and disease resistance
- > It has very good feeding quality, being high in protein and easily digestible, remaining palatable well into the winter
- > Pack size 10kg and 25kg



### Interval

#### Ideal for finishing lambs.

- > Has been proven to grow the highest dry matter yield of rape/kale hybrids which helps to reduce feed costs
- > Very fast establishing and ready to graze in 12 weeks
- > Pack size 5kg and 20kg



### Rampart

#### High feed quality and grazing flexibility.

- > Bred with feed quality enhancements and high yield potential
- > Excellent winter hardiness giving flexibility when grazing crops
- > Pack size 5kg and 20kg



### Unicorn

#### High quality kale/rape hybrid.

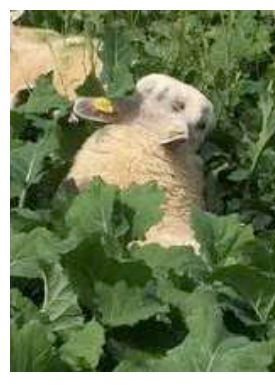
- > Rape/kale hybrid which can provide palatable forage for autumn and winter grazing
- > Regrowth potential, as long as it is not grazed too tight, providing additional grazing opportunities
- > Pack size 5kg and 20kg



### Hobson

#### Ideal for finishing lambs.

- > Fully proven on livestock farms throughout the UK
- > Ideal for finishing lambs with good winter-hardiness and disease resistance
- > Pack size 5kg and 20kg



### Spitfire

#### Versatile kale/rape hybrid.

- > A good companion to use with other fast establishing brassicas
- > Rapid growing brassica that can be used as a rescue or catch crop. Can also provide good cover for holding, driving & feeding game birds
- > Pack size 10kg and 25kg

# GRAZING BRASSICA MIXTURES

The most widely grown of all grazing brassica forage crops with a yield potential over 4 tonnes DM/ha – equivalent to 3500 lamb grazing days per ha. Soil management and nutrition is crucial if you want to achieve the expected results. Sow by mid August to get the maximum growth available.

Hay or straw should be on offer prior to each grazing, particularly in the case of dairy cows and it is advisable to introduce animals to the crop gradually.

All seed is untreated.

## Sowing and utilisation

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Dry Matter                         | 11-12 %                              |
| Cost per ha                        | £408/ha (£166/acre)                  |
| Cost per tonne utilised dry matter | £107                                 |
| Cost per tonne fresh weight        | £5                                   |
| Drill                              | 1.0-2.0kg/acre (2.5-5kg/ha)          |
| Broadcast                          | 1.5kg-2.5kg / acre (3.7-6.0kg/ha)    |
| Optimum Sowing Period              | Mid June-Mid August                  |
| Utilisation                        | 80-100 days (Late September-January) |
| Average Dry Matter Yield           | 3.5-4.0 tonnes                       |
| Average Fresh Yields               | 24-35 tonnes/ha                      |



### Autumn Keep

**A quality crop with good disease resistance.**

- > Very fast establishment for autumn use
- > Autumn Keep will produce quality grazing in 10-12 weeks
- > Sow at 2kg per acre
- > Contains:
  - 40% Forage Rape
  - 20% Stubble Turnip Samson
  - 30% Stubble Turnip Rondo
  - 10% Kale
- > Pack size 3kg



### Rapid Root

**A fast establishing forage rape based catch crop mixture.**

- > Produces a crop ready for grazing in 12 weeks
- > Stubble turnips maintain the feed once the leafy rape and tops have been grazed
- > Sow at 2kg per acre
- > Contains:
  - 60% Forage Rape
  - 35% Stubble Turnip
  - 5% Kale
- > Pack size 10kg



### Winter Graze

**A blend of stubble turnips and Forage Rape designed for grazing into the winter.**

- > Needs to be established by mid August to get the full benefit
- > The forage rape helps protect stubble turnips during a frost
- > Sow at 2kg per acre
- > Contains:
  - 60% Stubble Turnip
  - 35% Forage Rape
  - 5% Kale
- > Pack size 10kg



### Meatmaker

**An excellent blend designed to produce autumn or winter keep with minimal effort.**

- > The higher inclusion of forage rape helps protect the turnips if crops are to be used later
- > Sow at 2kg per acre
- > Contains:
  - 65% Forage Rape Rampart
  - 25% Stubble Turnip Rondo
  - 10% Kale
- > Pack size 3kg

# ACTION

Fertilisers



Feeds



Fuel



Seeds



Crop Protection



Animal Health



Mineral Supplements



Silage Additives



Silage Wrap



Dairy Chemicals



Milk Powder



Lubricating Oils



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