

Red Clover Silage

- ▶ Intensive silage mixture with red clover content to last 3-4 years.
- ▶ Moira and Fintona are among the highest performing ryegrass varieties under silage Index on the 2022 Pasture Profit Index.
- ▶ Huge potential to reduce chemical N in the production of winter fodder.
- ▶ Continues as a normal grass sward with white clover afterwards.
- ▶ White clover will fill spaces created by red clover dying out.
- ▶ Produces high protein and high digestibility silage.

3.5kg Fintona (T) 4.00kg Red Clover
3.5kg Moira (D) 1.00kg White Clover

12kg
Bag

Multi Species Sward

Multi-Species Mixture is a specialist mix for specific systems where improving soil health is a priority.

- ▶ Contains high-quality grasses, legumes and herbs, providing multiple sources of protein, energy and minerals for grazing livestock.

Benefits include:

- ▶ Superior sward performance
- ▶ Improved soil structure
- ▶ Increased drought tolerance
- ▶ Ideal for finishing lambs, cattle and dairy systems
- ▶ Reduced effect of internal parasites
- ▶ High-quality feed throughout the summer

3.3kg Briant (T) 0.7kg Chicory
3.3kg Aberbann (T) 1.5kg Red Clover
0.7kg Timothy 1.5kg White Clover
1.0kg Plantain

12kg
Bag

The above mixes will be available in all our branches on request.

Reseeding Plan of Action

- ▶ Identify poor performing fields/weed infestations.
- ▶ Soil sample.
- ▶ Apply lime if required.
- ▶ Sow in good conditions and roll.
- ▶ Spray post-emergence for broadleaved weeds especially Docks and Thistles before grazing.

Choosing Varieties

We pick tried and tested varieties from the Teagasc Pasture Profit Index and the Department of Agriculture recommended list. The PPI list ranks ryegrass varieties based on their potential to influence farm profitability. Each variety tested is given an index based on traits. These include economic importance for grassland farmers combined with good management techniques. The traits are Spring, Summer and Autumn Growth, Silage Yields, Quality, Persistency and Grazing Utilisation, which is a measure of how well the sward is grazed out. In conjunction with the DAFM recommended list, the PPI is designed to assist with the variety selection suitable to each farming system.

Getting Soil Fertility Right:

- ▶ Soil test for P, K and lime requirements (pH) before reseeding.
- ▶ Soil test in autumn before planned reseeding. Make sure to test to an adequate soil depth - 10cm.
- ▶ The target soil pH is 6.3 for mineral soils and pH 5.5 for peat soils. Do not apply more than 7.5ton lime/ha (3 ton/ac) in a single application.
- ▶ P and K must be brought up to soil index 3.
- ▶ N is essential for good grass establishment and growth. Apply 40kg N/ha (30 units N/ac) when reseeding.
- ▶ After ploughing permanent pasture for reseeding, paddocks should be tested again the following year to ensure that the fertility of the soil brought to the surface by ploughing is correct for grass growth.

Tetraploid Vs Diploid

Tetraploid

- ▶ Tall upright growth
- ▶ More open sward
- ▶ Higher digestibility (Higher sugar grasses)

Diploid

- ▶ Good Ground Cover
- ▶ Dense Sward
- ▶ Lower Digestibility

◀ Fuelling Efficient Farming ▶

Teagasc Pasture Profit Index 2022

Highlighted in GREEN denotes varieties contained in our Green Valley Range

INTERMEDIATES										
Variety Details			Total PPI	PPI Sub-Indices (€/Ha/Year)						* Teagasc Grazing Utilisation Trait (1-5 star)
Variety Name	Ploidy	Heading Date		Sub-indices						
				€ Spring	€ Summer	€ Autumn	€ Quality	€ Silage	€ Persistency	
AberMagic	D	28 May	215	31	64	78	18	24	0	***
Moira	D	26 May	209	108	39	57	-32	36	0	***
AberWolf	D	30 May	209	54	54	48	11	43	0	**
Astonconqueror	D	27 May	206	75	52	48	-10	42	0	****
AberGreen	D	31 May	193	38	69	70	5	11	0	*
Gusto	D	31 May	176	50	51	64	2	9	0	****
Nifty	D	28 May	145	38	61	57	-37	26	0	**
AberClyde	T	25 May	253	51	66	46	44	46	0	****
Barwave	T	22 May	244	93	61	59	-20	50	0	-
Fintona	T	24 May	190	49	52	49	-5	45	0	****
Dunluce	T	29 May	184	23	58	52	24	34	-6	****
Elysium	T	27 May	170	43	52	32	12	32	0	-

LATES										
Variety Details			Total PPI	PPI Sub-Indices (€/Ha/Year)						* Teagasc Grazing Utilisation Trait (1-5 star)
Variety Name	Ploidy	Heading Date		Sub-indices						
				€ Spring	€ Summer	€ Autumn	€ Quality	€ Silage	€ Persistency	
AberChoice	D	11 Jun	190	15	65	58	22	30	0	***
AberBann	D	10 Jun	190	5	81	75	-25	54	0	***
Ballyvoy	D	03 Jun	186	65	46	47	19	10	0	*
Bowie	D	16 Jun	170	19	53	54	28	16	0	-
Oakpark	D	02 Jun	149	32	52	52	-12	25	0	*
Drumbo	D	05 Jun	146	23	44	42	24	13	0	*
Astonking	D	05 Jun	141	61	50	36	-25	18	0	***
Callan	D	03 Jun	126	71	39	35	-35	16	0	****
AberGain	T	04 Jun	241	34	61	50	47	49	0	****
Gracehill	T	04 Jun	241	46	60	58	10	67	0	**
Nashota	T	03 Jun	214	53	57	39	28	38	0	-
Glenfield	T	03 Jun	207	59	63	40	3	41	0	-
AberPlentiful	T	08 Jun	204	59	63	50	11	26	-6	**
Meiduno	T	03 Jun	195	45	56	46	27	21	0	****
Ballintoy	T	04 Jun	195	36	60	43	23	32	0	****
Aberbite	T	01 Jun	175	-2	56	53	32	36	0	****
Briant	T	03 Jun	156	10	58	46	13	29	0	***
Solas	T	10 Jun	153	10	48	55	1	39	0	***
Astonenergy	T	01 Jun	151	5	47	43	49	6	0	****
Xenon	T	07 Jun	143	12	49	35	29	17	0	****
Triwarwic	T	02 Jun	141	20	53	30	7	32	0	-
Aspect	T	03 Jun	136	11	50	30	27	23	-6	****

Liffey Mills is one of the country's leading Agricultural Merchants.

With over 70 years of experience delivering top quality products to farmers to maximise farm gate profits in all aspects of agriculture.

Now in our 6th season of our exclusive **Green Valley** range of grass seeds varieties which are meticulously chosen from Teagasc Pasture Profit Index (PPI) and the Department of Agriculture recommended perennial ryegrass seed list.

Our team of nutritionists and agronomist have formulated each mix with consideration from farmer feedback and studies conducted by Teagasc Moorepark to deliver top-quality mixes for Yield, Nutritive Values, Digestibility, Persistency, Density and Palatability. Careful consideration is also given to the new trait for the PPI, 'Grazing Utilisation', which is a trait that shows the ability of the sward to be actually grazed out by livestock.

The ultimate aim is to provide efficiency and performance to farmers.

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LIFFEY MILLS



GREEN VALLEY
GRASS SEEDS

2022



◀ Fuelling Efficient Farming ▶

Gold Sward

Dual-purpose mix with a similar heading date spread.

- ▶ A 55:45 diploid tetraploid grass seed mix.
- ▶ Gold Sward will result in a dense leafy sward suited to intensive animal production systems.
- ▶ Mixture designed for an early graze, followed by a cut of silage in May/June and good grazing afterwards.

2.0kg Abergain (T) 4.0kg Ballyvoy (D)
3.0kg Gracehill (T) 0.6kg Naked Clover
2.0kg Aberchoice (D)

ALSO AVAILABLE WITHOUT CLOVER

NOTE: Diploid (D) & Tetraploid (T) varieties are shown by the presence of the symbol after the variety name.

KEY FEATURES

Abergain (T):

- ▶ The "top" most sought after grass variety and is a must in all grass seed mixes in intensive farming situations.
- ▶ One of the top late heading tetraploids with a total score of €241 on the PPI.
- ▶ Abergain is the highest quality variety with excellent palatability for higher utilization of your swards.

Gracehill (T):

- ▶ Gracehill and Abergain both top late heading tetraploids with the same PPI of €241, will work hand in hand together.
- ▶ Gracehill's key feature is its excellent spring growth making it a great choice for early silage production and has been shown to particularly excel in autumn growth for grazing.
- ▶ With a score of 67 for silage, it is a must have variety in a one cut silage situation.

Aberchoice (D):

- ▶ Top late heading diploid variety on the PPI with a score of €190.
- ▶ Excellent mid-season growth to give top yields of grass after a cut of silage is taken.
- ▶ One of the four late heading diploids that have a positive score for quality on the Teagasc PPI.

Ballyvoy (D):

- ▶ Top diploid variety with a score of 65 for spring growth.
- ▶ Compliments Aberchoice in a mix.
- ▶ Quality figure of +19 which ensures good graze outs in late season.

Naked Clover

- ▶ High yielding, nitrogen fixing clover that scores well for persistence.



11.6kg
Bag

Sweet Sward

A carefully selected blend of exceptionally high D-Value grasses.

- ▶ Delivering a highly palatable and nutritious sward for early spring right through to late autumn growth.
- ▶ Specifically formulated for the farmer that has high output and stocking rate requirements.
- ▶ Carefully formulated with high levels of tetraploids (63%) to enhance digestibility in a grazing situation.

2.0kg Abergain (T) 2.0kg Ballintoy (T)
3.0kg Aston Energy (T) 0.6kg Naked Clover
4.0kg Ballyvoy (D)

ALSO AVAILABLE WITHOUT CLOVER

KEY FEATURES

Abergain (T):

- ▶ A late heading Tetraploid with a heading date of June 4th.
- ▶ It rates €241 per hectare on the PPI which ranks it in the top 2 of the table for the late heading varieties.
- ▶ A variety with an exceptional quality figure to give excellent grazing utilization.

Aston Energy (T):

- ▶ Consistently one of the highest digestibility scores over the last number of years on the Teagasc PPI.
- ▶ Teagasc research shows Aston Energy achieves the 'lowest post grazing heights' of any grass variety, hence the 5-star rating on the PPI for Teagasc Grazing Utilisation Traits.
- ▶ Combined with Abergain, it's unbeatable in a grazing situation.

Ballyvoy (D):

- ▶ One of the top late diploids with an overall score of €186.
- ▶ Will give a yield of grass in Spring which is vital in a specialized grazing sward.
- ▶ Has a quality figure of +19 which ensures good graze outs in late season.

Ballintoy (T):

- ▶ Late Heading tetraploid variety with a heading date of the 4th of June.
- ▶ A tetraploid variety that boasts a 4-star rating on grazing utilization on PPI.
- ▶ Works exceptionally well with Abergain in a mix as it has consistent growth throughout the whole season.

Naked Clover

- ▶ High yielding, nitrogen fixing clover that scores well for persistence.



11.6kg
Bag

Tetra Sward

New for 2022, 100% Tetraploid Mix with 1kg of Clover.

- ▶ Chosen for the intensive grazing situation where the customer wants maximum digestibility in the sward.
- ▶ Guaranteed to yield exceptional tons of utilizable feed throughout the whole grazing year.
- ▶ Top 3 varieties for digestibility chosen for what we consider the best digestible grazing mix on the market.

4.5kg Aston Energy (T)
5.0kg Nashota (T)
1.5kg Xenon (T)
1.0kg Naked Clover

KEY FEATURES

Aston Energy (T):

- ▶ One of the most sought-after tetraploid varieties on the market.
- ▶ Consistently one of the highest digestibility scores over the last number of years of the Teagasc PPI.
- ▶ Teagasc research shows Aston Energy achieves the 'lowest post grazing heights' of any grass variety, hence the 5-star rating on the PPI for Teagasc Grazing Utilisation Traits.

Nashota (T):

- ▶ Exceptional variety for grazing utilization.
- ▶ Top 3 of PPI for late heading tetraploids with a value of €214 per hectare.
- ▶ On farm trials throughout the country have shown Nashota to come out on top in terms of quality and digestibility.

Xenon (T):

- ▶ Another 5-star variety for Teagasc grazing utilization.
- ▶ Guaranteed to achieve good yields of digestible grass.

Naked Clover

- ▶ High yielding, nitrogen fixing clover that scores well for persistence.



12kg
Bag



Silage Sward

A blend of 3 intermediate heading varieties that is formulated for an intensive silage situation.

- ▶ This mix is used where the first cut silage is to be taken by mid May and subsequent cuts afterwards.
- ▶ All varieties have compact heading dates to ensure quality and dense swards for superb silage.

4.0kg Aberclyde (T)
4.0kg Aberwolf (D)
3.5kg Astonconqueror (D)

ALSO AVAILABLE WITH CLOVER

KEY FEATURES

Aberclyde (T):

- ▶ The top variety on the Teagasc PPI at €253.
- ▶ Consistent growth figures across the season which guarantees good yields in either a 2 or 3 cut silage system.
- ▶ Excellent variety for grazing afterwards with 4 stars for grazing utilization.

Aberwolf (D):

- ▶ A diploid variety to bolster persistency in a silage cutting situation.
- ▶ Strong performer throughout the grass growing season which is essential in a silage seed mix.

Astonconqueror (D):

- ▶ Intermediate heading diploid with a heading date of 27th of May.
- ▶ Provide early yields for the 1st cut silage with a spring figure of €75.
- ▶ It scores 4 stars for grazing utilization which will benefit grazing after silage is cut.



11.5kg
Bag



Sward Maker

A blend of 70% Diploid varieties with 30% of the most sought-after Tetraploid varieties for conditions that demand the best sward density.

- ▶ A versatile general-purpose long-term mixture suitable for grazing and/or cutting. Ensures good trafficability in difficult soil conditions.

3.5kg Aston Energy (T)
4.0kg Astonconqueror (D)
3.4kg Aston King (D)
0.6kg Naked Clover

KEY FEATURES

Aston Energy (T):

- ▶ Variety that adds sugar to the grass seed mix.
- ▶ One of the top varieties for Grazing Utilisation with a 5-star rating.
- ▶ Excellent when partnered with Aston Conqueror with its seasonal growth.

Astonconqueror (D):

- ▶ Intermediate heading diploid with a heading date of 27th of May.
- ▶ Exceptional spring growth with a grazing utilisation score of 4 stars.
- ▶ Very good ground cover which will form a thick sward during the growing season.

Aston King (D):

- ▶ Another diploid variety with very good ground cover.
- ▶ Aston King is next to Astonconqueror in the diploid category in terms of grazing utilization and offers a great partner to it in a grass seed mixture.

Naked Clover:

- ▶ High yielding, nitrogen fixing clover that scores well for persistence.



11.5kg
Bag

