

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 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 and Persistency. In conjunction with the DAFM recommended list the PPI is designed to assist with 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

Teagasc PPI & DAFM Recommended Varieties 2020

Highlighted in GREEN denotes varieties contained in our Green Valley Range

Variety Name	Ploidy	Heading Date	PPI		Pasture Profit Index Values €/ Ha/ Year				Spring (t DM/ha)	Summer (t DM/ha)	Autumn (t DM/ha)	Total Yield (t DM/ha)	Mean DM/D (g/kg)	1st Cut Silage (t DM/ha)		2nd Cut Silage (t DM/ha)	Ground Cover Score
			Spring	Autumn	Sub-indices	Quality	Silage	Persistency						1st Cut	2nd Cut		
AberBite	T	1-Jun	132	38	42	35	32	-11	1.10*	7.03*	2.36*	10.49*	840.7*	4.65*	4.05*	4.20	5.7
AberChoice	D	11-Jun	176	45	51	43	18	0	1.12	7.29	2.37	10.78	849.40	4.37	4.24	6.0	
AberClyde	D	25-May	205	51	42	34	41	38	1.31	7.20	2.22	10.73	852.10	5.25	3.73	5.4	
AberGain	T	4-Jun	192	38	42	52	39	0	1.13	7.10	2.29	10.52	854.30	5.05	4.06	5.6	
AberGreen	D	31-May	145	25	51	61	8	0	1.16	7.43	2.47	11.05	840.70	4.45	3.82	6.7	
AberMagic	D	28-May	187	33	43	70	17	22	1.20	7.29	2.55	11.04	845.10	4.87	3.73	6.3	
AberPlentiful	D	8-Jun	169	43	41	13	24	0	1.30	7.22	2.28	10.80	843.20	4.58	4.19	5.5	
AberWolf	D	30-May	169	56	34	37	10	33	1.34	6.98	2.25	10.57	841.70	5.04	3.85	7.0	
Alfonso	T	1-Jun	107	31	33	34	7	0	1.01	6.90	2.21	10.13	849.50	4.63	3.60	6.0	
Aspect	T	3-Jun	109	30	23	29	19	0	1.05	6.89	2.12	10.05	848.90	4.48	4.15	6.1	
Asticonqueror	D	27-May	169	76	38	-7	34	0	1.47	6.84	2.26	10.56	837.60	5.49	3.29	6.5	
Asticonqueror	D	1-Jun	124	0	28	37	51	8	1.00	6.84	2.25	10.09	854.50	4.64	3.61	5.6	
Asticonking	D	5-Jun	112	62	27	23	19	20	1.38	6.81	2.12	10.30	832.60	4.74	3.82	5.9	
Ballintoy	D	4-Jun	138	31	33	19	28	0	1.13	7.05	2.21	10.40	845.80	4.84	3.99	5.6	
Briant	D	3-Jun	123	6	37	38	15	27	1.04	7.08	2.26	10.38	841.70	4.75	4.05	5.6	
Callan	D	3-Jun	116	67	21	29	25	0	1.41	6.64	2.17	10.22	832.20	4.97	3.76	6.4	
Durambo	D	5-Jun	116	19	24	34	27	12	1.12	6.72	2.22	10.06	843.20	4.46	3.95	6.3	
Dunice	T	29-May	148	17	44	20	31	0	1.10	7.07	2.31	10.49	844.70	4.75	4.23	5.4	
Elysium	T	27-May	156	43	30	25	13	24	1.27	6.88	2.14	10.28	844.20	4.87	3.76	6.1	
Finona	D	24-May	154	45	31	44	-9	43	1.28	6.92	2.31	10.51	838.80	5.42	3.68	5.5	
Gusto	D	31-May	127	37	29	54	11	-5	1.23	6.87	2.40	10.50	842.00	4.32	3.88	5.8	
Kerry	D	2-Jun	73	21	29	34	-27	16	1.03	6.87	2.22	10.22	830.80	4.42	4.15	6.4	
Kintyre	D	8-Jun	110	6	31	45	6	21	1.04	6.92	2.32	10.29	840.10	4.54	4.24	5.8	
Meiluno	T	3-Jun	166	41	35	30	21	0	1.25	7.03	2.26	10.54	845.30	4.71	3.92	5.4	
Meira	T	26-May	169	102	17	52	-33	31	1.63	6.85	2.38	10.55	827.30	5.07	3.76	6.1	
Nashota	T	3-Jun	186	43	33	34	32	44	1.27	6.98	2.22	10.47	846.60	4.99	4.31	6.2	
Nifty	D	29-May	119	50	42	39	34	23	1.31	7.19	2.27	10.77	831.70	4.89	3.74	6.5	
Oakpark	D	2-Jun	120	28	32	44	-10	25	1.17	6.94	2.31	10.42	833.70	4.63	4.19	6.5	
Seagoe	D	25-May	137	29	34	36	-4	43	1.18	6.98	2.24	10.39	841.00	5.32	3.78	5.9	
Smile	D	4-Jun	60	-1	21	39	-9	11	0.99	6.64	2.26	9.89	834.50	4.45	4.07	6.4	
Solas	T	10-Jun	115	5	29	49	6	27	1.03	6.95	2.36	10.24	838.80	4.54	4.33	5.9	
Tiwaric	T	2-Jun	108	16	33	22	9	29	1.10	6.96	2.11	10.17	843.00	4.88	3.97	5.9	
Xenon	T	7-Jun	114	9	29	31	17	0	1.06	6.86	2.17	10.08	846.60	4.29	4.41	6.3	

*Denotes mean of the 2017 control varieties DAFM

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

With over 70 years' experience delivering top quality products to farmers with the aim of maximising farm gate profits in all aspects of agriculture.

Now in our 4th season of our exclusive Grass Seed Range. The **Green Valley** range of grass seed varieties are meticulously chosen from Teagasc Pasture Profit Index (PPI) and Department of Agriculture Food and Marine recommended perennial ryegrass seed list. Our team of nutritionists and agronomists 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.

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

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LIFFEY MILLS



GREEN VALLEY GRASS SEEDS 2020



◀ Fuelling Efficient Farming ▶

Gold Sward

Dual purpose mix with a very close heading date spread.

- ▶ A 60:40 diploid tetraploid grass seed mix.
- ▶ Gold Sward will result in a dense leafy sward suited to intensive animal production systems.
- ▶ Provides a high yield mix and offers the potential for a heavy silage cut in late May/early June.

5.0kg **Abergain (T)**
4.0kg **Aberchoice (D)**
2.0kg **Drumbo (D)**
1.0kg **Pelleted White Clover Blend**

ALSO AVAILABLE WITHOUT CLOVER

NOTE: Diploid (D) and 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.
- ▶ Consistently on top of Teagasc 'Pasture Profit Index' since it began.
- ▶ Top late heading tetraploid with a total score of €192 on the PPI.
- ▶ Abergain is the highest quality variety with excellent palatability for higher utilization of your swards.

Aberchoice (D):

- ▶ Top late heading diploid variety on the PPI with a score of €176.
- ▶ A variety that allows a good cut of silage and exceptional autumn growth for grazing afterwards.
- ▶ One of the two late heading diploids that has a positive score for excellent palatability for grazing cleanouts.

Drumbo (D):

- ▶ Boasts excellent quality score of €27 on the PPI.
- ▶ Very even growth throughout the growing season.
- ▶ An outstanding diploid variety with a total PPI value of €116.
- ▶ Excellent ground cover, which in a dual-purpose mix is a sought-after attribute.

Pelleted White Clover Blend:

- ▶ A blend of high yielding, nitrogen tolerant clovers that all score well for persistence.



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.
- ▶ Contains 60% Tetraploid for high palatability and digestible yields.

3.5kg **Abergain (T)**
4.5kg **Aberchoice (D)**
3.0kg **Aston Energy (T)**
0.6kg **Naked Crusader White Clover**

ALSO AVAILABLE WITHOUT CLOVER

KEY FEATURES

Abergain (T):

- ▶ A late heading Tetraploid with a heading date of the 4th June.
- ▶ It rates €192 per hectare on the PPI which ranks it on the top of the table for the late heading varieties.
- ▶ Digestibility score of €52 per hectare ranks it top with regards to quality.

Aberchoice (D):

- ▶ Late heading Diploid variety, with a heading date of the 11th June.
- ▶ High digestibility score of €43 per hectare which will ensure a full clean out of paddocks post grazing.
- ▶ Boasts an overall PPI of €176 per hectare for 2020.

Aston Energy (T):

- ▶ Ranking as the 2nd highest grass variety on PPI for digestibility.
- ▶ Teagasc research shows Aston Energy achieves the 'lowest post grazing heights' of any grass variety.
- ▶ Combined with Abergain and Aberchoice its unbeatable in a grazing situation.

Naked Crusader White Clover:

- ▶ A medium leaved clover. It has excellent dry matter yields, good ground cover and an extremely long growing season making it ideal for intensive grazing swards.



Silage Sward

A carefully blended mixture containing predominantly Diploid varieties.

- ▶ Caters for the livestock farmer aiming for at least two quality silage cuts in the season.
- ▶ All varieties have compact heading dates to ensure quality and dense swards for superb silage.
- ▶ The addition of Clover is also available for those in derogation if required.

4.50kg **Aberclyde (T)**
3.0kg **Abermagic (D)**
4.00kg **Aberwolf (D)**

ALSO AVAILABLE WITH CLOVER

KEY FEATURES

Aberclyde (T):

- ▶ An intermediate tetraploid with a heading date of the 25th May.
- ▶ Highest variety on the Teagasc PPI at €205.

Abermagic(D):

- ▶ A Diploid variety with a heading date of the 28th of May.
- ▶ Listed as one of the highest yielding varieties delivering summer values of €45/ha and autumn values of €70/ha, with the ability to provide dense covers for bulky quality silage.
- ▶ Compliments Aberwolf in a multiple silage cut mix.

Aberwolf (D):

- ▶ An intermediate diploid perennial ryegrass.
- ▶ It has an unrivalled combination of grazing yield, conservation yield, extended season performance and quality (D value).
- ▶ Aberwolf is a very strong performer throughout the grass growing season.



Sward Maker

A blend of all Diploid grass mixture for conditions that demand the best Sward density.

- ▶ It is specifically formulated for that heavy ground where persistency of grasses can pose a problem.

4.0kg **Oakpark(D)**
3.9kg **Astonconqueror(D)**
3.0kg **Nifty(D)**
0.6kg **Naked Crusader White Clover**

KEY FEATURES

Oakpark (D):

- ▶ Established in 2019 by Teagasc.
- ▶ It's rated 2nd highest of any late diploid on the PPI.
- ▶ Has excellent seasonal growth, is one of two with the highest score for silage yield of late diploids.
- ▶ Highest late heading diploid for ground cover.

Astonconqueror(D):

- ▶ An intermediate heading diploid variety.
- ▶ Works excellently in a mix with Nifty as it has exceptional spring growth.
- ▶ Very good ground cover which will form a thick sward during the growing season.

Nifty(D):

- ▶ An intermediate heading diploid variety.
- ▶ Excellent even growth throughout the whole season.
- ▶ Ground cover score of 6.5 which is of paramount importance in difficult soils.

Naked Crusader White Clover:

- ▶ Crusader is the best clover for these challenging soils that can tolerate tight grazing.

