



CERTIFIED GRASS SEED MIXTURES

GRASS FACTS

- Grazed grass is the cheapest source of energy for livestock, costing 8 c/kg DM, maximizing the proportion of grazed grass in the animals diet will reduce feed costs and increase gross margins.
- A 10% increase in the proportion of grazed grass in the diet will reduce the cost of milk produced by 2.5 c/l
- Each additional day at grass in early spring and late autumn is worth €2.70 and €2.10 per cow/day, respectively



Why Reseed?

The benefits of sward renewal

- Higher quality swards – resulting in increased intakes and animal performance
- Increased seasonality of DM production – in spring and autumn
- Increased DM yield – on average 3 t DM/ha more than old permanent pasture
- Increased nutrient efficiency – 25% more responsive to nitrogen fertiliser
- Higher quality silage swards, which will be easier to preserve.

WHY ACORN GRASS SEED MIXTURES?



- Contain only Irish Recommended List Varieties, which deliver on spring & autumn growth, digestibility and total annual DM yield.
- Much research has gone into selecting varieties and formulating what we believe are the best mixtures available to the Irish market.
- Increased total DM production on your farm, in particular during spring & autumn.
- The quality of our seed is second to none. We know that the seed you sow is likely to be in the ground for 10 years or more - compromising on quality is just not an option.

A sward based on the late heading varieties contained in our ACORN Mixtures will have:

- higher intake potential
- better sward quality
- better utilisation characteristics
- improved animal performance

Moorepark Finding: Increasing grass utilisation by 1 tonne will deliver €160 per hectare additional profit.

Grass Facts / Why Reseed ?

Why Acorn Grass Seed Mixtures ?

Reseeding - TEN POINT PLAN

1. Soil test – target pH is 6.2-6.5, and target P & K index 3.
2. Spray off the old sward with glyphosate
3. Cultivate to ensure a fine, firm seed-bed. Apply lime to correct pH.
4. Select a grass mixture based on intended field use e.g. grazing or silage
5. Sow 14 kg /acre into warm, moist soil conditions
6. Roll well to ensure good soil-seed contact
7. Apply N, P and K as per guidelines
8. Monitor reseed for pests e.g. frit-fly, leatherjacket, rabbits & take immediate action where necessary
9. Post-emergence weed spray is essential approx. 6 weeks after sowing and before the 1st grazing.
10. Graze the new reseeds frequently at low covers to encourage tillering of the sward.



NOTES:

1. In the event of a variety becoming unavailable, ACORN reserves the right to include the best alternative. The exact mixture will be detailed on the label.
2. Prescription Mixtures made to order. If you wish to discuss the design of a customised grass seed blend, please speak with the agronomist working with your local ACORN Merchant.
3. A high specification Lawn Grass Mixture is available from all ACORN trading outlets.
4. ACORN Merchants also carry an excellent all round equine mixture, 'Equine - Paddock & Grazing'. This mixture will stand up to heavy wear and tear. A true Equine Mixture designed to produce high quality grazing and, if required, a very high quality hay cut in summer.

Teagasc Pasture Profit Index (PPI)

The Pasture Profit Index quantifies the economic benefit of a variety across the important traits in grass based systems. The economic benefit in € per ha/year to a farm system for each trait is presented for all varieties. The Acorn Range for 2017 contains the highest performing varieties on the PPI List.

LATES										
Variety Details			Pasture Profit Sub-Indices (€ per ha / year)							
Variety	Ploidy	Heading Date	DM Production			Quality	Silage	Persistence	Total PPI	€ per ha/yr
			Spring	Summer	Autumn					
Tetraploids										
AberGain	T	5-Jun	17	44	42	64	20	-19	169	
AberPlentiful	T	9-Jun	39	50	40	29	9	0	167	
Meiduno	T	6-Jun	43	45	41	32	12	-11	163	
Solas	T	10-Jun	8	43	55	30	15	0	151	
AstonEnergy	T	2-Jun	-9	36	38	61	5	0	131	
Xenon	T	11-Jun	7	37	30	45	10	0	130	
Kintyre	T	7-Jun	10	37	53	32	6	-11	126	
Alfonso	T	4-Jun	-5	36	34	50	-2	0	113	
Aspect	T	6-Jun	6	40	24	37	5	0	110	
Navan	T	6-Jun	-6	38	48	20	3	-5	98	
Delphin	T	2-Jun	2	39	25	16	15	-5	91	
Diploids										
AberChoice	D	9-Jun	11	49	47	63	6	0	175	
Drumbo	D	7-Jun	13	33	32	43	-6	-19	96	
Kerry	D	1-Jun	19	40	39	-1	2	-5	93	
Glenroyal	D	5-Jun	11	39	39	2	2	0	92	
Clanrye	D	6-Jun	21	39	15	-10	11	0	76	
Majestic	D	2-Jun	22	30	37	-16	-8	0	65	
Glenveagh	D	2-Jun	8	32	20	-12	3	0	51	
Stefani	D	2-Jun	4	25	21	-3	3	0	50	
Piccadilly	D	3-Jun	10	29	16	-24	15	0	46	
Tyrella	D	4-Jun	24	17	14	2	-7	-28	23	

INTERMEDIATES										
Variety Details			Pasture Profit Index Sub-Indices (€ per ha per year)							
Variety	Ploidy	Heading Date	DM Production			Quality	Silage	Persistence	Total PPI	€ per ha/yr
			Spring	Summer	Autumn					
Tetraploids										
AberClyde	T	26-May	44	49	34	59	19	0	206	
Fintona	T	22-May	58	39	50	11	21	0	178	
Seagoe	T	28-May	33	40	43	19	33	0	167	
Dunluce	T	30-May	17	44	46	41	17	0	165	
Magician	T	22-May	46	33	33	6	23	0	141	
Carraig	T	24-May	37	39	32	-12	9	0	105	
Diploids										
AberMagic	D	31-May	36	51	68	33	11	0	199	
Nifty	D	27-May	70	53	57	-7	16	0	191	
Aberwolf	D	31-May	58	39	34	29	12	0	171	
Rosetta	D	24-May	89	29	40	2	11	0	170	
Solomon	D	21-May	65	30	31	-24	22	0	125	
Boyne	D	22-May	55	31	26	-39	34	0	107	

Reseeding - Ten Point Plan

Teagasc Pasture Profit Index (PPI)

2017 - DAFM Recommended List LATE Diploid & Tetraploid Varieties										
Variety	Ploidy	Heading Date	Frequent Cutting (t DM/ha)			2-Cut Silage (t DM/ha)		Ground Cover (1-9)	Mean DMD (%)	
			Total Yield	Spring	Summer	Autumn	1st Cut Silage			2nd Cut Silage
Kerry	D	1-Jun	10.5	1.1	7.1	2.2	4.0	4.2	6.2	83.8
Glenveagh	D	2-Jun	10.0	1.0	6.9	2.1	4.2	3.9	6.9	83.5
Majestic	D	2-Jun	10.2	1.1	6.8	2.2	4.2	3.6	6.9	83.3
Stefani	D	2-Jun	9.8	1.0	6.7	2.1	4.2	3.8	6.5	83.7
Piccadilly	D	3-Jun	9.9	1.0	6.8	2.0	4.6	3.7	6.7	83.1
Tyrella	D	4-Jun	9.7	1.1	6.5	2.0	4.2	3.6	6.4	84.0
Glenroyal	D	5-Jun	10.4	1.0	7.1	2.2	4.0	4.1	6.9	83.8
Clanrye	D	6-Jun	10.3	1.1	7.1	2.0	4.0	4.4	7.0	83.5
Drumbo	D	7-Jun	10.2	1.0	6.9	2.2	4.0	3.9	6.5	84.8
AberChoice	D	9-Jun	10.8	1.0	7.4	2.3	3.9	4.4	6.3	85.5
Astonenergy	T	2-Jun	10.2	0.9	7.0	2.2	4.3	3.8	5.3	85.7
Delphin	T	2-Jun	10.2	1.0	7.1	2.1	4.4	4.1	5.3	84.5
Alfonso	T	4-Jun	10.2	0.9	7.0	2.2	4.2	3.7	6.0	85.4
AberGain	T	5-Jun	10.6	1.1	7.2	2.2	4.4	4.1	5.9	85.8
Meiduno	T	6-Jun	10.8	1.2	7.2	2.2	4.3	4.1	5.2	84.9
Aspect	T	6-Jun	10.3	1.0	7.1	2.1	4.0	4.2	6.3	85.2
Navan	T	6-Jun	10.4	0.9	7.0	2.3	3.9	4.3	5.8	84.5
Kintyre	T	7-Jun	10.5	1.0	7.0	2.3	4.0	4.3	6.0	84.6
AberPlentiful	T	9-Jun	10.9	1.2	7.4	2.2	4.1	4.3	5.7	84.8
Solas	T	10-Jun	10.6	1.0	7.2	2.4	3.9	4.7	6.0	84.6
Xenon	T	11-Jun	10.3	1.0	7.0	2.1	3.9	4.6	6.4	85.2

INTERMEDIATE Diploid & Tetraploid Varieties										
Variety	Ploidy	Heading Date	Frequent Cutting (t DM/ha)			2-Cut Silage (t DM/ha)		Ground Cover (1-9)	Mean DMD (%)	
			Total Yield	Spring	Summer	Autumn	1st Cut Silage			2nd Cut Silage
Solomon	D	21-May	10.4	1.4	6.8	2.1	4.9	3.5	6.5	83.4
Boyne	D	22-May	10.4	1.3	6.9	2.1	4.9	3.9	6.5	82.9
Rosetta	D	24-May	10.6	1.5	6.8	2.2	4.6	3.6	6.4	83.9
Nifty	D	27-May	11.3	1.4	7.5	2.4	4.7	3.7	6.4	83.9
AberMagic	D	31-May	11.1	1.2	7.4	2.5	4.4	3.9	6.3	85.0
AberWolf	D	31-May	10.6	1.3	7.1	2.2	4.5	3.8	7.0	84.7
Fintona	T	22-May	10.8	1.3	7.1	2.3	4.9	3.5	5.8	84.2
Magician	T	22-May	10.4	1.2	6.9	2.2	4.7	3.9	5.7	84.1
Carraig	T	24-May	10.5	1.2	7.1	2.2	4.8	3.3	6.1	83.9
AberClyde	T	26-May	10.8	1.2	7.3	2.2	4.7	3.8	5.6	85.7
Seagoe	T	28-May	10.6	1.2	7.1	2.3	4.9	3.9	6.1	84.6
Dunluce	T	30-May	10.6	1.1	7.2	2.3	4.2	4.4	5.6	85.0

T = tetraploid, D = diploid variety, DMD = Dry Matter Digestibility
 Note: Total yield, spring & autumn growth are calculated as a percentage of the control varieties.
 Source - DAFM 2017 Recommend List of Grass varieties