



Technical leaflet

Reseeding Monocultures to Increase Grass Production



1 Description of the innovation

The 10 Steps to Reseeding:

1. Identify under-performing paddocks for reseed
2. Plan to reseed early
3. Soil test –Before reseeding
4. Spray off paddock
5. Prepare a firm, fine seed bed
6. Choose the most profitable varieties (Use Pasture Profit Index)
7. Spread lime and N,P and K
8. Roll after sowing
9. Post emergence spray
10. Graze at a low cover (700kg-1000kgDM/ha)



Advantages

- Increase the overall productivity of the farm (sales, farm output & silage production)
- Allow higher animal output per hectare relative to permanent pasture
- Increase grass quality and utilisation (profit!)



Disadvantages

- Soil fertility needs to be correct on the farm before reseed
- Farmer must do everything correct to ensure good germination rates
- Reseeding can be expensive when not carried out correctly



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Cultivation:

- All methods effective when carried out correctly

Soil Fertility

- Soil test, lime and appropriate fertiliser (N, P & K) (2.5 T lime/acre) (3 bags 10-10-20/acre)
- Lime- Increase seed germination
- Optimum pH – 6.3, P: Index 3 and K: index 4

Post sowing management

- Ensure seed bed is rolled following seeding
- +30 Units N/Acre (Weeks 4-5)
- Post emergence spray - 5-6 weeks after re-seeding (best time to control docks)
- 1st grazing – 700 – 1000 kg DM/ha
- Graze every 17 – 21 days (1000 – 1400 kg DM/ha)
- Check for uniform establishment (pests)
- Avoid silage in first year if possible



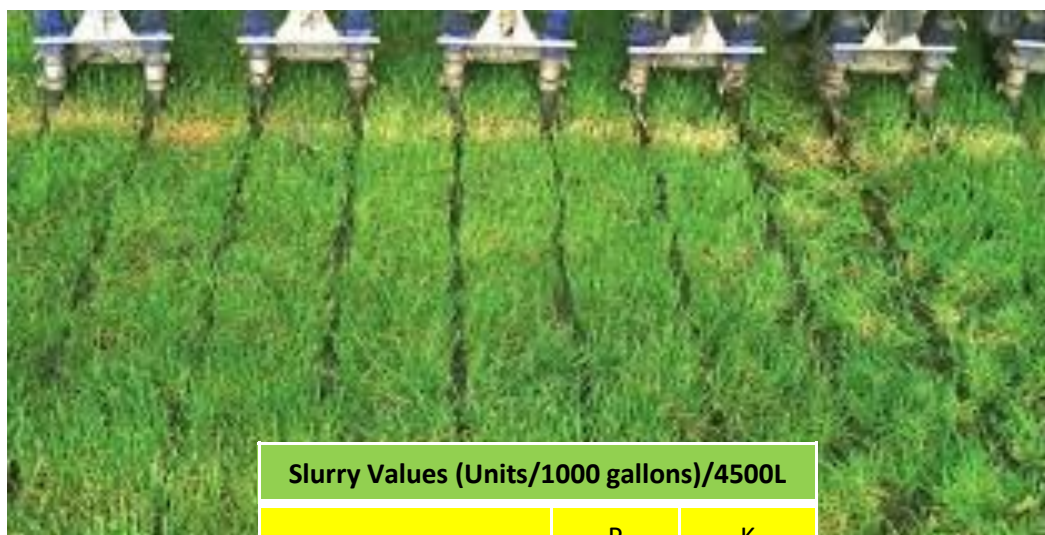
Cultivation Technique	Best Practice
Ploughing	Shallow plough to develop a firm, fine seed-bed
Discing	3-4 runs at angles
One Pass	Slow speed at cultivation
Direct Drill	Wait for moist ground conditions



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Soil P Index	P App. Rate (kg/ha)	Soil K Index	K App. Rate (kg/ha)
1	60	1	110
2	40	2	75
3	30	3	50
4	0	4	30
Lime	1-2 Tonnes/Acre		



Slurry Values (Units/1000 gallons)/4500L		
	P	K
Cattle	5	30
Pig	7	20
Soiled Water	7	5

Tetraploid varieties	Diploid varieties
Tall upright growth habit	Prostrate growth habit
Create more 'open' sward	Create a tiller dense sward
Higher digestibility value	Generally lower digestibility and yield



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Recommended list for Weed Control for a Reseed				
Active Ingredient	Example Product	Clover Safe	New Ley Rate (L/ha)	Target Weed
Fluroxypyr 150g/L Clopyralid 80g/L Florasulam 2.5g/L	Pastor Trio	No	1.0	Docks, Thistle, Chickweed, Dandelion, Nettle, Daisy.
Fluroxypyr 200g/L	Fluroxypyr (& various)	No	0.75	Docks, Chickweed, Dandelion,
Fluroxypyr 100g/L Florasulam 2.5g/L	Envy (& various)	No	1.5	Docks, Thistle, Chickweed, Dandelion, Daisy
2,4 D 240g/L MCPA 40g/L	Legumex DB (& various)	Yes	7.0	Buttercup
Amidosulfuron 75%	Eagle (& various)	Yes	60.0	Docks
Tribenuron methyl 500g/Kg	Triad	Yes	10g/ha	Chickweed



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Variety Name	Ploidy	Heading Date	Pasture Profit Index Values € / Ha / Year						
			Total	Sub-Indices					
			PPI	Spring Growth	Summer Growth	Autumn Growth	Quality	Silage	Persist.
Abergain	T	4-Jun	214	37	40	43	56	37	0
Aberclyde	T	25-May	205	54	43	34	44	30	0
Abermagic	D	29-May	197	44	46	70	19	17	0
Nifty	D	27-May	193	80	50	57	-23	29	0
Fintona	T	22-May	191	73	23	43	12	40	0
Aberchoice	D	9-Jun	189	32	45	51	47	15	0
Moir	D	24-May	187	118	21	49	-30	29	0
Abergreen	D	31-May	182	58	52	62	4	6	0
Aberplentiful	T	08-Jun	182	57	44	42	17	22	0
Elysium	T	25-May	171	73	30	26	19	22	0
Dunluce	T	29-May	170	31	39	45	25	31	0
Aberwolf	D	29-May	169	65	33	34	14	23	0
Meiduno	T	3-Jun	167	55	39	41	16	22	-5
Astonconqueror	D	25-May	165	79	29	34	-4	27	0
Gusto	D	30-May	161	67	31	55	15	-7	0
Briant	T	3-Jun	157	37	39	39	19	24	0
Rosetta	D	23-May	156	85	25	40	-16	22	0
Seagoe	T	26-May	155	45	35	36	-1	40	0
Aberbite	T	1-Jun	154	10	38	44	39	34	-11
Ballintoy	T	02-Jun	150	31	35	35	22	28	0
Triwarwic	T	02-Jun	139	42	34	23	13	27	0
Kintyre	T	6-Jun	134	25	33	50	5	22	0
Astonenergy	T	2-Jun	132	9	30	36	48	10	0
Solas	T	10-Jun	131	16	31	50	10	24	0
Xenon	T	8-Jun	128	18	31	30	29	20	0
Aspect	T	6-Jun	124	20	32	24	32	16	0
Oakpark	D	2-Jun	118	34	30	33	-8	28	0
Drumbo	D	7-Jun	117	29	27	34	24	3	0
Astonking	D	5-Jun	116	64	28	22	-15	17	0
Alfonso	T	1-Jun	113	7	30	34	34	8	0
Smile	D	5-Jun	101	24	25	43	-6	14	0
Kerry	D	2-Jun	98	42	31	35	-23	13	0
Glenroyal	D	4-Jun	96	25	32	40	-11	12	0
Clanrye	D	6-Jun	68	27	31	15	-30	25	0
Majestic	D	1-Jun	66	35	26	36	-38	7	0

More information

- <https://www.teagasc.ie/>
- <https://www.teagasc.ie/crops/grassland/grass10/>