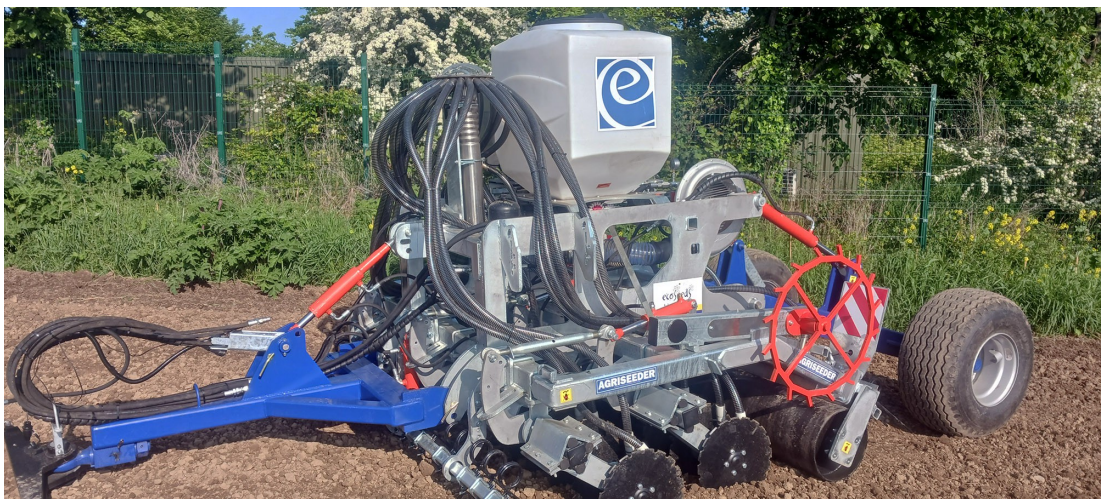
Disc Seeding

Conventional seeding methods typically do not introduce most of the seed to the proper place in the soil: Some seeds will be sown too deeply and will subsequently die; other seeds will be sown too shallow and ultimately do not develop sufficient root structure. Consequently only a small percentage optimally develops relative to the quantity sown and the labour involved.

Because wild seeds are different sizes and shapes (see photo) and most conventional machines are designed to sow one size and type of seed, we developed our own seed drill in conjunction with local firm Erth Engineering to ensure seeds get the best possible start and more chance of project success.

Seeds for grassland restoration



Bespoke seed drill - essentially carries out three tasks:

a) Sows seed accurately into slits at the correct depth. Even the finest seeds can be precisely metered thus providing economical and efficient seed distribution;
b) Opens the sward to allow air and moisture to penetrate;
c) Rolls the sward or seed bed to ensure good seed / soil contact.

Disc Seeding

The machine uses air delivery and sponge metering and can sow at very low rates (down to 0.25 grams per m2) This accuracy helps reduce cost by using less seed. The drill can sow simultaneously two sizes of seed at two different depths thereby enhancing germination of small seeds which may otherwise be buried too deeply.

The disc seeder can sow directly into grass sward thus eliminating carbon loss from conventional ploughing and harrowing. It is a “one pass” machine – harrowing if required, sowing, and rolling in one fuel saving operation. Although it is small by agricultural standards it is still big enough to sow 10-15 ha per day and is easily transportable across Ireland.

EcoSeeds has offered this service for over a decade. It is used for sowing Yellow Rattle and for the 'over seeding' of other mixtures such as brush harvested seed.

Twin hoppers enable seeds of two different size ranges to be sown at different sowing rates and depths

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