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New cultivar: Diaman2ti (“Bladder clover” Trifolium spumosum) bred by Rob Harrison.

 Subscript of 2 in Diaman2ti is due to the atmospheric Nitrogen symbol (N 2 ) which is linked to all cultivars released by LegumeN 2 (company, director John Howieson).

 It is named after the Greek word for Diamond, which is the shape of the leaf marker compared to the crescent for AGWEST BARTOLO (old cultivar).

Reason to breed it:

More pasture legume options were needed on fine textured soils in the eastern wheatbelt to compliment medic pastures. Medics are hard to header-harvest, therefore, to allow for on farm seed production, more options are needed. On farm seed production allows farmers to produce their own seed cheaply, thus reducing a barrier to adoption.

Attributes:

 95 days to flowering in Northam (10 days earlier than cv. Bartolo)

 It was evaluated during the Dryland Legume Pasture Systems national project (leader: Dr Ron Yates) at Canna, Mingenew, Gibson, Narembeen and Northam, where it:

o Produced more biomass than Bartolo in low-medium rainfall environments of WA and NSW.

o Produced more seed than cv. Bartolo in low-medium rainfall environments of WA and NSW.

 Upright (erect) growth habit with leaf retention when senesced to allow for easier conserved fodder and reduced disease risk

 High nutritive value compared to other pastures

 High biological nitrogen fixation compared to other pastures

 Seed remains dormant in the soil longer than cv. Bartolo

 Diaman2ti can be readily harvested using a cereal header as the seed breaks free from the calyx easily, allowing for a high harvest efficiency

 Harvesting point 1 (2023): Seed was bulked up in Nyabing, around 50t was harvested (from 80ha sown at 5kg/ha) in a below average year.

 Harvesting point 2 (2023): When the seed was cleaned, the net result was around 47t, therefore around 95% was pure seed from initial harvest- remarkable.

 For seed please contact John Howieson (will find best email or see advert in farm weekly)

Thanks:

 All research partners and co-investers in the DLPS project

 All farmers that hosted research trials (ASHEEP- Glenn Quinlivan, Dave Vandenberghe et al), without them there is no new cultivar

 Farmers Trent and Rachel Browne for bulking it up

 Ballards seed cleaning Tincurrin