

Rust disease, pests
(larvae, beetles,
aphids), senescence,
first year cutback fresh
weights, vertebrate
(rabbit, hare, deer) and
other damage (wind,
frost, herbicide,
mechanical) have been
assessed on a training
population of 560 biomass
willow genotypes
growing at four UK
environmentally
contrasting sites.

Here, rust, senescence and first year cutback fresh weights data were statistically analysed to provide predicted means for correlations, rankings and use in genomic selection (prediction) modelling.

Correlation graphs show the distribution and differences of across trial sites for these important biomass willow crop traits.

Variability in genotype performance within and between sites and evidence of phenotypic plasticity of some genotypes to adapt in differing environments is observed.

Assessments and analyses continue throughout Year 2 towards our objectives to accelerate willow breeding and deployment.

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