**BENEFITS OF OATS IN ORGANIC SYSTEMS:**

- Good weed competition
- More reliable on a range of soils
- Require less inputs
- Better nitrogen use efficiency
- Work well as second cereal
- Yields are generally 80% of conventional, compared to 60% for wheat.

**OAT VARIETY CHARACTERISTICS FOR WEED COMPETITION**

- Canopy cover is a useful trait for weed competition but is linked with crop height.
- Taller varieties have better weed competition but also a higher risk of lodging.
- Varieties such as **Brochan** would be a good choice for weed competition in organic systems as it has good canopy cover and is relatively short.
- There does not appear to be a yield trade off with height or canopy cover.

**Figure 1:** Performance of oats for husked (blue circles) and naked (yellow circles) varieties, showing relative differences (as % of the average) for plant height (x-axis) and canopy cover (y-axis). The size of the circle indicates the average yield of each variety. The green square shows the area where below-average crop height (small stature) is combined with an above-average Leaf Area Index.

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