



White Mold & Root Rot Resistant Dark Red Kidney Bean with Superior Agronomic & Processing Qualities

WARF: P06049US

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The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in developing high yielding kidney bean lines that are resistant to white mold and root rot.

Overview

Although white mold is the most economically damaging disease of legumes, resistance to white mold is not currently available in dark red kidney bean cultivars. Fungicides must be applied at flowering to prevent disease occurrence.

The Invention

UW-Madison researchers have developed several high yielding kidney bean lines that are resistant to white mold and root rot. The lines were created by crossing kidney bean lines with intermediate white mold resistance to root rot-resistant lines and selecting for plants that are highly resistant to white mold. They may be used by commercial bean producers to eliminate the need for treating beans with fungicide in the Midwest and other areas where white mold is a problem, or by organic farmers where chemical spraying is not an option.

Applications

- Kidney bean production

Key Benefits

- Eliminates need for spraying costly fungicide on bean crops
- Resistant to white mold and root rot
- High-yielding
- Good canning quality
- Under root rot pressure, these lines exhibit longer and more numerous pods, as well as bigger root and canopy sizes than the standard commercial kidney bean line

Tech Fields

- [Animals, Agriculture & Food : Plant varieties](#)

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