

# *Roane Soft Red Wheat*

## **Genetic Information**

Roane is a beardless soft red winter wheat developed by the Virginia Agriculture Experiment Station. Roane exhibits a stable and high level of performance, broad adaptation, and resistance/tolerance to many plant diseases and pests. Roane is unique in that it possesses a type of inhibition to either aphid feeding or infection by barley yellow dwarf virus.

Roane expresses an intermediate level of resistance to soil borne mosaic and wheat spindle mosaic viruses, and to leaf and glume blotch. Data on fusarium head blight indicate that it possesses a moderate level of scab resistance. Roane is resistant to Hessian fly biotypes GP, B, C, and E, and is susceptible to biotypes D and L. Roane is resistant to the prevalent field populations of powdery mildew. It does not contain any genetic resistance to leaf rust but has shown good field tolerance to the rust races.

## **Agronomic Information**

Roane is widely adapted according to the Uniform Eastern Soft Red Winter Wheat Nursery, and is recommended in most areas where soft red winter wheat is grown.

Roane is a full-season high yielding awnletted soft red winter wheat with **exceptionally high test weight** and resistance to a broad spectrum of plant pathogens and insect pests. Roane is a relatively short wheat averaging 37 inches in height, 3.5 inches shorter than Freedom. Winter hardiness of Roane is good. Roane has proven to have excellent test weight; this could be attributed to its small seed size.

Roane is a proven variety that has an excellent disease resistance package.

## **Marketing**

Roane was evaluated by the USDA Soft Wheat Quality Lab in Wooster. It is considered to have acceptable soft wheat quality characteristics.

Roane is protected under the **Plant Variety Protection Act - Title V**. Seed of this variety can only be sold by variety name as a class of certified seed. A royalty fee of \$.60 per bu. will be collected on the certified class of seed.

## **Summary**

Roane has extremely high test weight, small seed size, excellent disease package, and is high yielding.

For more information or a list of producers, please contact your local seed dealer or the MCIA office at:

**Michigan Crop  
Improvement Association**  
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Lansing, MI 48909  
Phone # 517/332-3546  
Fax # 517-332-9301  
E-mail: [info@michcrop.com](mailto:info@michcrop.com)  
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