



URQUIE SPRING WHEAT

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Urquie CI 17413 is an awned, white-chaffed spring wheat released primarily to supplement Marfed, Twin, and Fielder. The variety has a bearded, white-chaffed, medium-lax head. The kernels are soft and white. Kernel size and shape are similar to Nugaines and Luke.

Urquie has consistently produced grain of higher test weight than Twin, and equal or higher test weight than Marfed. It has shorter straw and is more lodge-resistant than Marfed.

This variety appears to have more cold tolerance than Marfed, permitting growers to take advantage of earlier seedings than is likely with Twin. Urquie could be seeded early into injured stands of soft white winter wheat.

Disease Resistance

Urquie has moderate mature plant stripe rust resistance with higher levels than Marfed. It is slightly less resistant to *Fusarium culmorum* root rot than Marfed or Twin. The variety is susceptible to local races of leaf rust and could potentially suffer losses. Urquie is also susceptible to dwarf smut, but has some resistance to common bunt. Seed treatment to control common bunt is advisable.

Shattering, Threshability

Urquie is more shatter-resistant than Twin but is easy to combine and thresh.

Milling and Baking Qualities

Tests by the Western Wheat Quality Laboratory showed Urquie to be superior in milling to Marfed and similar to Marfed in bread baking properties. Urquie is equal to Marfed in pastry properties.

Recommended Areas

Urquie is recommended for low rainfall areas where Marfed and Twin have been used. It is not as well adapted to the higher rainfall areas as Fielder.

Managing Urquie

Urquie can be seeded earlier in the spring because it has more cold tolerance than Marfed.

Use the same fertilizer and management systems for Urquie that are used for other spring wheat varieties.

Development of Urquie

Urquie was selected from a cross of Gaines and Marfed, made in 1961 by W. L. Nelson and M. Nagamitsu at the Dryland Research Unit near Lind, Washington. Selection 68-3 was selected in 1965.

The variety was tested for six years at Pullman, Pomeroy, Dayton, Walla Walla, Harrington, Waterville, Lind, and the Horse Heaven Hills prior to release. It was tested in the Western Regional Spring Wheat Nursery four years before it was released.

Urquie was named in honor of Allen John ("Urquie") Urquhart, a former wheat grower and manager of Union Elevator and Warehouse Company at Lind, Washington, in recognition of his support and promotion of wheat research for the dry land area of Washington.

Breeders' seed stock will be maintained by the Washington State University Agricultural Research Center, Pullman, WA 99164. Foundation seed is available through the Washington State Crop Improvement Association.

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