Photos 1 through 8 are from the ISU Northeast Research Farm, Nashua.

Left half is a stand seeded in 2012. Right half is a stand seeded in 2014. The left shows some winterkill.

This is just from the left half of the photo 1. It shows some thinner areas from winterkill.

Close up of stand seeded in 2014. It is in excellent health.

Close up of stand seeded in 2012 is better in some areas of the field.
Close up of stand seeded in 2012 is worse in some areas of the field.

Dig up the two larger plants; lower right and upper left in the square.

The split plant on left, from the lower right of the dig shows very good health. The split plant on right, from the upper left is damaged and as good as dead.

Close up of plants in photo 7. Tissue is firm & white vs. stringy & yellow.
Photos 9 through 14 are from a field near Colesburg.

This field shows more damage on the north slope, but that varies by location.

The stand looks better in some areas.

The stand showing more winterkill on the slopes. Let’s dig some plants.

Let’s split some crowns and upper taproots.
Left to right: 1-excellent symmetry and growth. 2-Still with good symmetry but reduced growth. 3-Growth on only one side of the plant. 4-Dead.

A few thin spots in the distance on a level field near Arlington. Not enough damage to react to, but damage from winter injury is not just on the slopes.

Left to right: 1-Good health of crown and upper taproot. 2-Healthy enough to produce some growth. 3-One side of the plant healthy enough to produce some growth. Both 2 & 3 may die-off in season if under significant stress. Use the zoom function for a closer look.
Photos 16 and 17 from a field south of Decorah.

Healthy orchardgrass in photo 16 next to some injured but recovering orchardgrass in photo 17.

and the Pocket Gophers are having a heyday this spring! near Arlington

From a distance, some of these poorer looking areas might just be orchardgrass that was set back by the winter, but they are recovering.
	near Clermont.