

**NORTH DAKOTA - Manifest Wheatgrass Seed Now Available*****Matt Sanderson, USDA-ARS, Northern Great Plains Research Lab***

**M**anifest intermediate wheatgrass, developed at Northern Great Plains Research Laboratory (NGPRL), is now available. Foundation seed is available from the NRCS Plant Materials Center in Bismarck, ND, and commercial seed can be purchased from vendors. Manifest has erect stems with a heavy growth of bluish-colored basal leaves, and by mid-summer reaches 3-4'. Manifest is a cool-season grass, so most growth is produced in spring and fall allowing spring or fall pasture management when moisture is favorable. A replicated ARS trial in Mandan, ND, Manifest produced 4,614 lbs/ac, compared to 4,474 lbs/ac for other intermediate wheatgrass varieties. Additionally, Manifest resists drought better than smooth brome grass, but less than crested wheatgrass. Well-drained soils in areas with at least 14" of annual rainfall produce greatest growth. NGPRL trials indicated Manifest had better grazing tolerance than Manska, Oahe, and Reliant intermediate wheatgrass varieties. Manifest is a cooperative release by ARS and NRCS.