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CC193 Wheat Curl Mites in Volunteer Wheat Spread Wheat Streak Mosaic to the Newly Seeded Crop

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Wheat Curl Mites in Volunteer Wheat Spread Wheat Streak Mosaic to the Newly Seeded Crop

HAILED AREAS AND REGIONS WITH RAIN DURING AND AFTER HARVEST
ARE ESPECIALLY SUSCEPTIBLE

One Wheat Curl Mite Per Square Yard August 1st Can Mean 35,831,808 by September 30th

Under Ideal Conditions Mite Population Will Increase . . .

and INCREASE . . .

and I N C R E A S E . . .

DESTROY Volunteer Wheat

Area-wide destruction of summer volunteer wheat at least two weeks before planting the new crop will practically eliminate the mite and source of mosaic infection.

A 100% kill of volunteer growth is necessary for effective control where mites are present. This must be done and still leave sufficient stubble to prevent wind erosion and catch snow during the winter.

Avoid early planting. The earlier wheat is planted, the longer it will be exposed to possible mosaic infection in the fall. (See best planting date table in next column.)

Best Planting Dates Western Nebraska

Based on five-year tests in various areas of western Nebraska this rule of thumb may be used in determining the best seeding date for winter wheat and barley. For specific areas in western Nebraska--4,000 feet base elevation, September 10, base date--each 100 feet difference in elevation means one day difference in planting date. The higher the elevation, the earlier the best planting date. The lower the elevation, the later the best planting date.

Location (Counties)	Elevation	Best Planting Date
Chase	3268	Sept. 15-25
Banner.	3800	Sept. 15-20
Box Butte	4000	Sept. 10
Kimball	5100	Sept. 1

DESTROY VOLUNTEER by..

Tillage -- Before planting, preferably two weeks.

Sub-Surface Tillers -- If soil and weather are sufficiently dry so plants will wilt in 1/2 hour.

One Way -- If soil is moist and cool weather prevails. Set one way at long angle and operate only deep enough to cut all the surface so a minimum of stubble will be destroyed.

Plowing -- Where continuous cropping is practiced.

