GIBBERELLIC ACID PROMOTION OF LATE-PLANTED WINTER WHEAT
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Winter wheat is planted in mid Sep conflicting with summer crops harvest. To allow later wheat planting to inhibit soil erosion, its growth needs to be stimulated under cooler conditions. Field studies conducted from 2005 to 2009, Seeds of ‘Goodstreak’ and 3 ‘Wesley’ were treated with GA$_3$ at 125 to 1000 ppm and planted 18-20 Sep, 1-4 Oct and 10-15 Oct. Plant heights were measured throughout the season; biomass determined in 3 May, and grain yields in July. Goodstreak treated with 250 ppm GA$_3$ planted late were as tall in Nov as untreated plants sown earlier. Wesley showed the same effect when seed 3 3 was treated with 1000 ppm GA$_3$. The GA$_3$ effect dissipated by May. Yields and seed 3 viability were unaffected. GA$_3$ -induced growth promotion can allow winter wheat to establish itself in Nov and thereby inhibit wind-induced soil erosion.