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Cover Illustration: Time-Lapse Series of the Response of Maize Roots to Gravity.
The gravitropic response of maize roots pretreated with an ethylene inhibitor is shown. Initially roots exhibit a "wrong way" curvature prior to positive graviculture. Inhibiting ethylene in roots results in exaggerated, prolonged oscillatory movement during the gravitropic response. This illustrates the interaction of auxin and ethylene during a classic hormone response used in most teaching laboratories.

Photo provided by T. J. Mulkey and S. Y. Kim, Indiana State University