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On the Cover: Grasses, with approximately 10,000 species that have evolved over the last 60 million years, show great morphological diversity. The cover illustration features a few examples of this diversity, along with some of the many cereal grains that were the focus of multiple domestication events in the family. The lower panel shows a biomass yield trial of switchgrass (*Panicum virgatum*), a promising crop for cellulosic ethanol production, while at the top is a field of sorghum (*Sorghum bicolor*) [both in field trials at Oklahoma State University, Oklahoma]. The center panel shows multiple grass species and grass grains, including grains of rice (*Oryza sativa*), spelt (*Triticum spelta*), barley (*Hordeum vulgare*), pearl millet (*Pennisetum glaucum*), rye (*Secale cereale*), corn (*Zea mays*), and oat (*Avena sativa*), and, from the left, inflorescences and plants of bamboo (*Phyllostachyus aureosulcata*), *Paspalum ramosum*, foxtail millet (*Setaria italica*), rice, emmer wheat (*Triticum dicoccoides*), corn, and *Coix lachrym-jobii*.

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^[W] Indicates Web-only data.

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