

# What are the mature values of stalk height, leaf area, number of leaves, flower size, and cob size?

Here is a summary table of the mature (fully developed) values for key corn plant traits, based on typical traditional field corn hybrids:

Trait	Mature Value / Range	Notes
<b>Stalk Height</b>	9–12 feet (2.7–3.7 m)	Measured from soil to top collar of flag leaf; varies by hybrid <sup>[1]</sup> <sup>[2]</sup> .
<b>Leaf Area</b>	6,000–7,000 cm <sup>2</sup> per plant (0.6–0.7 m <sup>2</sup> per plant)	Highly variable; can reach up to 7,000 cm <sup>2</sup> per plant in optimal conditions (typical).
<b>Number of Leaves</b>	18–21 per plant	Most traditional hybrids; some variation by genetics and maturity group <sup>[1]</sup> <sup>[3]</sup> .
<b>Flower (Tassel) Size</b>	~1,000 spikelets per tassel; ~6,000 anthers	Tassel size varies; each tassel produces thousands of pollen-bearing anthers <sup>[4]</sup> .
<b>Cob (Ear) Size</b>	7–9 inches (18–23 cm) long	Typical mature ear length for field corn; varies by variety <sup>[5]</sup> .

## Notes:

- **Short stature hybrids** are shorter ( $\leq 7$  feet), but leaf number and cob size are similar to traditional hybrids<sup>[1]</sup>.
- **Leaf area** can be influenced by plant density, fertility, and environmental conditions.
- **Tassel size** is generally consistent but can vary with hybrid and growing conditions<sup>[4]</sup>.
- **Cob size** may vary with hybrid and environmental factors; sweet corn ears are often smaller than field corn<sup>[5]</sup> <sup>[2]</sup>.

These values represent averages for mature, healthy field corn grown under typical conditions.



1. <https://www.cropscience.bayer.us/articles/traits/height-difference-between-traditional-corn-products-and-short-stature-corn-hybrids>
2. <https://kellersfarmstand.com/sweet-corn-vs-field-corn-height/>
3. <https://www.farmprogress.com/corn/number-of-corn-leaves-provides-insight-into-maturity>
4. <https://www.agry.purdue.edu/ext/corn/news/timeless/tassels.html>
5. <https://www.ufseeds.com/product/pencil-cob-corn-seed/COPCB.html>