

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

Notes:

- **Short stature hybrids** are shorter (≤ 7 feet), but leaf number and cob size are similar to traditional hybrids [1].
- **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 [4].
- **Cob size** may vary with hybrid and environmental factors; sweet corn ears are often smaller than field corn [5] [2].

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

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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>