

What is the typical mass of a mature corn of cob?

The typical mass of a mature corn cob (ear of corn) varies depending on the type (field corn vs. sweet corn), hybrid, and growing conditions. Here are representative values from research and reference sources:

- **Field Corn (Mature, at Harvest):**

- The total weight of each corn ear (including kernels and cob) typically ranges from **145 to 357 grams**^[1].
- The weight of just the kernels per ear ranges from **129 to 300 grams**^[1].
- The weight of the cob (core, after kernels are removed) ranges from **16 to 60 grams**^[1].
- Other sources confirm that a large ear of corn typically weighs about **143 grams**, a medium ear about **90 grams**, and a small ear about **73 grams**^[2].

- **Sweet Corn (Fresh, at Harvest):**

- Average cob weight is reported between **90 and 211 grams** (fresh weight)^[3].
- Another study found average cob weights for sweet corn around **207 to 212 grams**^[3].

Summary Table: Typical Mass of a Mature Corn Cob

Type	Total Ear Weight (g)	Kernel Weight (g)	Cob Weight (g)
Field Corn	145–357	129–300	16–60
Sweet Corn	90–212	—	—

Conclusion:

A mature ear of field corn typically weighs **150–350 grams** (including kernels and cob), while sweet corn cobs generally weigh **90–210 grams**^{[1] [2] [3]}. The cob itself (without kernels) usually weighs **16–60 grams**^[1].

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1. <https://www.cabidigitallibrary.org/doi/pdf/10.5555/20203168075>

2. <https://www.hanna-one.com/weight-corn.html>

3. <https://cigrjournal.org/index.php/Ejournal/article/download/5306/3445/0>