

April 2021

## Shedd's Chart (Resistance of Grains and Seeds to Air Flow)

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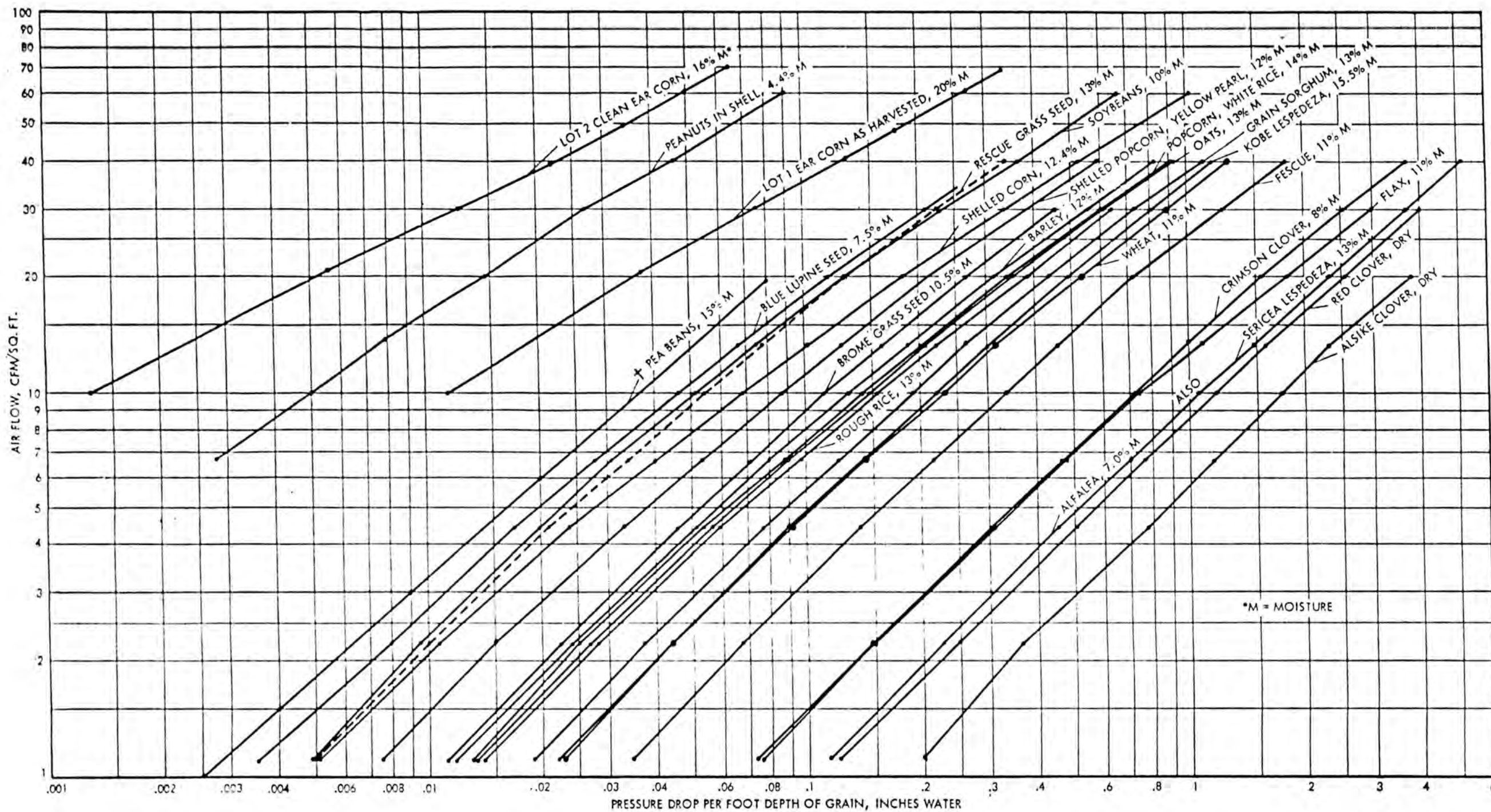
### Recommended Citation

Shedd, C. K., "Shedd's Chart (Resistance of Grains and Seeds to Air Flow)" (2021). *Seed Technology Papers*. 191.

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FIG. 1 RESISTANCE OF GRAINS AND SEEDS TO AIR FLOW



NOTES: This chart gives values for a loose fill (not packed) of clean, relatively dry grain.  
 For a loose fill of clean grain having high moisture content (in equilibrium with relative humidities exceeding 85 percent), use only 80 percent of the indicated pressure drop for a given rate of air flow.  
 Packing of the grain in a bin may cause 50 percent higher resistance to air flow than the values shown.  
 When foreign material is mixed with grain no specific correction can be recommended. However, it should be noted that resistance to air flow is increased if the foreign material is finer than the grain, and resistance to air flow is decreased if the foreign material is coarser than the grain.

REFERENCE: Resistance of Grains and Seeds to Air Flow, C. K. Shedd, AGRICULTURAL ENGINEERING, vol. 34, September, 1953.

Approved by the ASAE Committee on Technical Data; adopted by ASAE 1948; revised 1974, 1962; reconfirmed without change for one year by Electric Power and Processing Division Technical Committee, December 1966, December 1967.