



**Just like ply ratings for bias tires, not all radial tires are created equal. Many manufacturers will offer multiple load indexes for the same size tire!**

**Consider the following questions before making a suggestion to your farm tire customers:**

1. What is the current load index on the sidewall of the tire?
  - a. Are they IF or VF tires?
2. Does the tractor have weights, tanks or additional ballasting?
3. What is the loaded weight of the axle for the tires being replaced?
  - a. For rear axles, an implement can impact the loaded weight on the tires.
    - i. Draw bar? Three-point hitch?
  - b. For implements, wagons, etc. what is the maximum loaded equipment weight?
  - c. If using a bucket or fork, you must consider the weight of a full load on the front axle.
4. What is the maximum speed of the tractor?
  - a. Tractors capable of 40+ MPH will require a "D" speed rating.
  - b. The faster the speed, the less load carrying capacity.

**Finally, consult the load and inflation chart for suggested PSI based on speed of equipment.**

**Example: 480/80R50 with a 159A8/B load index.**

mph / psi	9	12	15	17	20	23	29	35
30	4540	5210	5990	6760	7530	8300	8970	9640
25	4540	5210	5990	6760	7530	8300	8970	9640
20	4860	5580	6400	7230	8060	8880	9610	10330
5 LT	6080	6990	8020	9060	10090	11120	12030	12930
5 HT	4860	5580	6400	7230	8060	8880	9610	10330



**Common sizes with multiple load index options:**

- 480/80R50 – Offered in 159B, 166B, and 171B
- 380/80R38 – Offered in 139A8, 142A8, 154B (VF Designation), 149D(IF designation)
- 480/70R34 – Offered in 143A8, 149D, and 155D
- 380/90R46 – Offered in 159A8 and 173D (VF designation)

