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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 2979-2026

Replacing GB/T 2979-2017

**Size designation, dimensions, inflation pressure and load
capacity for agricultural tyres**

农业轮胎规格、尺寸、气压与负荷

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1 Scope

GB/T 2979-2026 is the Chinese national standard covering the agricultural tyre tables - every size with its dimensions on a specified rim, and the load it may carry at each inflation pressure and speed, which is what a tractor's axle load has to be checked against. At 29,500 words it is essentially a table book, and the reference for anyone fitting or importing agricultural tyres. It replaces GB/T 2979-2017 and has been in force since 1 September 2026. It was issued on 27 February 2026 and has been in force since 1 September 2026, replacing GB/T 2979-2017. The document is under the responsibility of the China Petroleum and Chemical Industry Federation. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the method of representing agricultural tire specifications, tire specifications, dimensions, air pressure and load, tire tread pattern, and tire valves. This document applies to new agricultural pneumatic tires.

4. Methods of representing tire specifications Agricultural tires are defined and described through tire specification markings and other markings. Example. Examples of agricultural tire specification markings.

1.08 Minimum outer diameter = $2 \times \text{design section height} \times 0.96$ (Nominal rim diameter)

5.4 The tire pressures specified in Tables 1 to 24 are measured when the tires are at ambient temperature and do not include pressure increases due to vehicle movement. Tables 1 to

24 The inflation pressure specified in Table 24 is the minimum inflation pressure at the corresponding load speed. If the driving speed changes, refer to the tire size table. The regulations in the document will be adjusted.

5.5 The load capacities specified in Tables 1 to 24 are the maximum loads under the corresponding operating conditions. In actual use, the loads given in the tables can be used as the reference. The relationship between capacity and speed needs to be adjusted. When used as a dual-tire system, the maximum load should be 88% of the standard maximum load capacity. When three tires are used together, the maximum load should be 82% of the standard maximum load capacity.

1.12 Minimum total width of a new tire = Design cross-sectional width x 0.96

5.3 The maximum and minimum outer diameters of new tires are calculated as follows: The maximum outer diameter of a new tire = $2 \times$ design section height $\times b$ (nominal rim diameter)

---Tractor drive wheel radial tire $b=1.04$

---Tractor drive wheels and bias-ply tires for forestry machinery, $b=1.05$

---Tractor guide wheels and bias-ply tires of agricultural implements. $b=1.06$

---Horticultural tractors, high-pass-rate tires, agricultural tractor drive wheels, paddy field bias tires $b=$

5 Tire specifications, dimensions, tire pressure, and load

5.1 The tire specifications, ply rating, corresponding load capacity and inflation pressure, rim measurements, and new tire design dimensions shall conform to Tables 1 to 24. The regulations stipulate that the maximum usable size, valve stem type, and permissible wheel rim should conform to the provisions of Tables 1 to 24, and the maximum size of the inflatable tire and drive... The calculation method for the minimum tire spacing between the driving wheels is given in Appendix A.

5.2 The maximum and minimum total width of the new tires shall be calculated as follows:
Maximum total width of new tire = Design cross-sectional width $\times a$

---Except for the bias-ply tires used for driving wheels of agricultural tractors in paddy fields, tire $a=1.06$

---Agricultural tractor drive wheel, paddy field bias tire, $a=$

6 Tire tread pattern

6.1 Pattern Classification The classification of agricultural tire tread patterns should comply with the provisions of Appendix B.

6.2 Design Pattern Depth The tread depth of agricultural tires should comply with the provisions of Appendix C.

7. Valve stem The valve stem type should conform to the specifications in Tables 1 to

24. If other valve stem types are used, the user should consult with the manufacturer. GB/T 2979-2026. Specifications, Dimensions, Air Pressure and Load Capacity of Agricultural Tires ICS

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01 State Administration for Market Regulation The State Administration for Standardization issued a statement.