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July 15, 1977  
SUPERSEDING  
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(See 6.5)

## FEDERAL SPECIFICATION

### TIRES, PNEUMATIC, AGRICULTURAL

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

#### 1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers pneumatic tires, both tube and tubeless type for mounting on agricultural type vehicles.

1.2 Classification. Tires covered by this specification shall be furnished in the groups, sizes, and ply ratings, as specified (see 6.2).

1.2.1 Groups. Tires shall be of the following groups:

- 1.2.1.1 Group 1 -Agricultural (tube type).
- Group 1A -Agricultural (tubeless).

1.2.2 Sizes and ply ratings. Tires shall be of the sizes, and ply rating listed in appendix A.

#### 2. APPLICABLE DOCUMENTS

2.1 Specifications and standards. The following documents of the issues in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

##### Federal Specifications

UU-T-81 - Tags, Shipping and Stock.

ZZ-I-550 - Inner Tube, Pneumatic Tire.

##### Federal Standards:

Fed. Std. No. 123 - Marking for Domestic Shipment (Civil Agencies).

Fed. Test Method Std. No. 601 - Rubber: Sampling and Testing.

(Activities outside the Federal Government may obtain copies of Federal Specifications Standards and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, Philadelphia, PA, and Houston, TX.

(Single copies of this specification and other Federal Specifications required by activities outside the Federal Government for bidding purposes are available without charge from Business Service Centers at the General Services Administration Regional Offices in Boston, New York, Washington, DC, Atlanta, Chicago, Kansas City, MO, Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, WA, Philadelphia, PA, and Houston, TX.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

ZZ-T-1619A

Military Specifications.

MIL-T-4 - Tire, Pneumatic, and Inner Tube, Pneumatic Tire: Tire with Flap; Packaging and Packing of.

MIL-T-12439 - Tire, Pneumatic, for Military Ground Vehicles.

Military Standards:

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.

MIL-STD-129 - Marking for Shipment and Storage.

MIL-STD-1224 - Visual Inspection Guide for Pneumatic Tires (Non-Aircraft).

(Copies of Military Specifications and Standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by contracting officer).

2.2 Other publication. The following document forms a part of this specification to the extent specified herein, unless otherwise indicated.

The Tire and Rim Association, Inc., 1973-1974 Yearbook (The tire sizes, in the Appendix A, having (74) for an indicator will be shown in the 1974 Yearbook, when published.)

(Applications for copies should be addressed to the Tire and Rim Association, Inc., 3200 Nest Market Street, Akron, Ohio 44313).

## 3. REQUIREMENTS

3.1 Qualification. Tires furnished under this specification shall be products which have qualified (see 3.4, 3.9 and 4.2), and have been listed on or approved for listing on the applicable Qualified Products List. Qualification retests will be required if the manufacturer has modified his product or changed his material or processing sufficiently that the validity of previous qualification is questionable or when deemed necessary to determine that the quality of the product is being maintained. Suppliers shall submit a list of tires they propose to supply to the Government. This list of tires shall include brands, numerical level of each brand, size, and ply rating, it tube or tubeless, type of tread design, type of service, plant that produced tires, location of each plant, location of laboratory test facilities, and who shall be the contact representative for the company. From this list, tires of particular brands shall be tested for qualification in order that the manufacturer may be eligible to be awarded contracts or orders for tires under this specification. Tires furnished under this specification shall be listed on the Qualified Products List and not be of quality lower than the standard 100 level tire and the equivalent grade the supplier furnished for sale through commercial channels. A qualified tire brand will qualify other tire brands having an equal or higher quality level rating, provided each is of the same construction and body ply material.

3.2 Materials.

3.2.1 Compound. The basic compound used in the tire construction shall be of natural rubber, synthetic rubber, or a combination thereof. Reclaimed rubber may be used in basic compounds.

3.2.2 Plies. Piles shall be of rubber-coated nylon, polyester, rayon, metal wire, or other, or a mixture thereof.

3.2.3 Breaker strips. Breaker strips, when used, shall be of a suitable rubber-coated nylon, polyester, rayon, metal wire, or other, or a mixture thereof.

3.3 Design and construction. Each tire constructed shall consist of component parts as described in 3.3.3 through 3.3.7, inclusive, and shall properly fit Tire and Rim Association's approved rims for the respective tire sizes as listed in appendix A.

3.3.1 Tube type tires. Each tire shall be of a form to enclose an inner tube containing air under pressure and conforming to the applicable requirements of ZZ-I-550. The tires shall otherwise conform to the requirements of this specification.

3.3.2 Tubeless tires. Tubeless tires shall incorporate carcass materials and construction to provide air retention equal to that of a conventional tire and tube. It shall otherwise conform to the requirements of this specification.

3.3.3 Carcass. The carcass shall consist of plies of rubberized core of material suitable for the intended purposes. The carcass may be reinforced with breaker strips designed to improve impact resistance.

3.3.4 Tread. The tread shall consist of a rubber compound (see 3.2.1). The tread and tread design shall be suitable for minimizing spin-out of drive tires, resisting abrasion, and protecting the carcass from injury. The tread design shall be the manufacturer's standard design for the application as specified (see 6.2).

3.3.5 Sidewall. The sidewall shall consist of a rubber compound (see 3.2.1), and shall be designed to protect the carcass against moisture, weathering abrasion, or other injury.

3.3.6 Bead. The bead shall be of such construction as to anchor the tire firmly to the rim without slippage under normal operating conditions and of such design as to fit rims conforming to the Tire and Rim Association Inc. standards. Beads of tubeless tires shall be of such construction and design as to effect a satisfactory air seal between the tire and rim.

3.3.7 Flaps. When required, a flap of the proper size shall be furnished in each tire. Flaps shall be the endless type of sufficient width. The flaps shall be formed to approximate the contour of the tire beads and shall fit the tire without buckling or wrinkling.

### 3.4 Performance.

3.4.1 Carcass strength index measurement. When tested in accordance with 4.3.2, the minimum carcass strength index measurement shall be as specified in appendix A. The minimum carcass strength index measurement values shall be the identical for all types of fabric materials.

3.4.2 Ozone resistance and temperature requirements. When specified (see 6.2), tires and flaps shall be compounded to meet the ozone resistance and temperature requirements of MIL-T-12459 (see 4.3.5). All tires as part of production shall contain anti-oxidants and anti-ozonants to provide standard commercial resistance to weathering.

### 3.4.3 Physical requirements.

3.4.3.1 Tensile strength. The tensile strength of the tire treads shall be not less than 1,300 pounds per square inch (p.s.i.), and for sidewalls, not less than 900 p.s.i. when tested as specified in 4.3.4.

3.4.3.2 Ultimate elongation. The ultimate elongation of treads shall be not less than 400 percent (2 to 10 inches), and for sidewalls, not less than 300 percent (2 to 8) inches when tested as specified in 4.3.4.

### 3.5 Dimensions.

3.5.1 Tire overall diameter. when tested in accordance with 4.3.1.1.2, tire overall diameter shall meet the requirements as shown in appendix A.

3.5.2 Tire overall width. When tested in accordance with 4.3.1.1.3, tire overall width shall meet the requirements as shown in appendix A.

3.5.3 Skid depth. When tested in accordance with 4.3.1.1.4, skid depth shall meet the requirements as shown in appendix A.

3.6 Age of tires. Tires furnished on orders of any size, group, or type under this specification shall be not more than 18 months old on the date of shipment by the manufacturer. On such orders, the month and year of manufacture shall be shown on the label applied to the tread of each tire (see 3.8). On tires furnished on new vehicles, the equipment manufacturer shall be responsible for assuring that the tires mounted on the vehicle are not more than 12 months old.

3.7 Identification marking. Each tire shall be branded, molded, or have permanently affixed in an unobstructed location on the sidewall, as a minimum, the following information.

- (a) Manufacturer's name, brand name, or trademark.
- (b) Nominal size.
- (c) Ply rating and/or load range.
- (d) Serial number.
- (e) Tubeless, when applicable.

ZZ-T-1619A

3.8 Special labeling (see 6.2). Each tire shall have a special label on the tread face, if specified. This special label shall supplement the manufacturer's commercial label, so that combined, they show tire size, ply rating, whether tube type or tubeless, tread type, the Federal Stock Number, contract number, purchase order number, the month and year of manufacture, and average item weight. The material of the label shall have a pressure sensitive adhesive backing, which will allow accidental loss and will not cause deterioration of the tread compound. All printing shall be clear and readable and shall contrast with the label's background. The Federal Stock Number shall be in letters and numbers not less than 1/4-inch high. The special label and the manufacturer's commercial label shall be placed on the tread face not more than 1/2-inch apart.

3.9 Workmanship. The tires shall show no evidence of poor workmanship. All plies including breaker strips shall be smooth and evenly laid and shall be free of buckles, wavy cord, air pockets, depressions, and any other defect of imperfection, which may impair serviceability.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. The contractor is responsible for the performance of all inspection and test requirements as specified herein. Except as otherwise specified, the supplier may utilize his own or any other inspection facilities and services acceptable to the Government. Records of the examination and tests shall be kept complete and available to the Government. The Government reserves the right to perform any of the inspections and tests set forth in the specification where such inspections and tests are deemed necessary to assure that supplies and services conform to prescribed requirements.

4.1.1 Inspection of component and material. In accordance with 4.1, the contractor is responsible for insuring that components and materials used are manufactured, sampled and examined and tested in accordance with the requirements of this specification.

4.1.2 Material furnished for tests. Tires, flaps, valves, and inner tubes used for or in tests shall be furnished by the manufacturer without cost to the Government.

4.1.3 In-process inspection. Inspection shall be performed throughout the manufacturing process to assure that no deviation is made from the indicated requirements. These shall include all processes such as preparation of cord fabric, bead wire, and chemicals for compounding; compounding of rubber, preparation of plies, sidewalls, beads and treads; tire assembly, forming and vulcanizing. Wherever a deviation is noted, correction shall be made. Failure to make immediate correction may cause rejection of the affected lot of tires.

#### 4.2 Qualification tests, inspections, and examinations.

4.2.1 Qualification. Qualification shall be performed under the supervision of the Government at the prospective supplier's or other commercial laboratory acceptable to the Government, or at a Government laboratory, if specified. The costs incurred for the qualification shall be borne by the prospective supplier. The qualification shall consist of: breaking energy (see 4.3.2), visual examinations (see 4.4.3), hidden defects (see 4.3.3), tire overall diameter (see 4.3.1.1.2), tire overall width (see 4.3.1.1.3), skid depth (see 4.3.1.1.4), tensile strength and ultimate elongation (see 4.3.4), in accordance with table I.

Table I

Number of tires for examination	Characteristics	Number of tires to be examined	Test Acc Rej	Retest Acc Rej
	Visual examination, major defects (all groups)	3	0 1	0 1
	Visual examination, minor defects (all groups)	3	1 2	0 1
	Tire overall diameter (all groups)	3		

Table I (cont.)

Number of tires for examination	Characteristics	Number of tires to be examined	Test		Retest	
			Acc	Rej	Acc	Rej
	Skid depth (all groups)	3				
	Tire overall width (all groups)	<u>3</u>				
	Total examinations	9	1	2	0	1
	Carcass strength index (all groups)	1				
	Hidden defects (all groups)	<u>2</u>				
	Total examinations	3	1	2	0	1
Total tires - 3	Tensile strength	3				
	Ultimate elongation	<u>3</u>				
	Total tests	6	0	1	0	0

4.2.2 Tires required for qualification tests. The Government shall select a tire size from each of the groups 1 and 1A tires. The suppliers shall arrange to produce these tire sizes in the plants that they propose to qualify for the Qualified Products List. A sample shall be selected at random from a batch of not less than 25 tires. Three tires plus three spares for each group are required to perform all the specified tests and should be performed in the order shown in table I. Prospective supplier shall specify the tire size and ply types from each group that representative shall select the tire for qualification tests and examinations. Where more than one plant is involved, separate samples of tires shall be tested from each plant.

4.2.3 Retests. In the event of failure to pass the laboratory test listed in table I, the manufacturer shall be allowed a maximum of one retest for groups 1 and 1A tires. Each retest shall consist of all the test characteristics listed in table I for the retest groups 1 and 1A tires. The acceptance and rejection criteria are listed in table I.

#### 4.3 Examinations, tests, and inspection.

##### 4.3.1 Dimensional examinations.

##### 4.3.1.1 Tire overall diameter, tire overall width, and skid depth tests.

4.3.1.1.1 Preparation of tire for tire overall diameter, tire overall width, and skid depth tests. The tire shall be mounted on the rim specified in appendix A and inflated to the pressure shown for the Tire and Rim Association load in appendix A. The tire shall be allowed to stand for a minimum of 24 hours at room temperature and the pressure adjusted within 1/2 p.s.i. of the pressure shown in appendix A.

4.3.1.1.2 Tire overall diameter. The overall diameter shall be determined to the nearest 0.01 inch by measuring the outside circumference of the inflated tire with a steel tape and dividing by 3.1416. The diameter may be determined by means of a tape calibrated to directly show tire diameter.

4.3.1.1.3 Tire overall width. The tire overall width is the average maximum width of the inflated tire including the sidewalls, side ribs, bars, decorations, letters, or numerals. The width shall be measured to the nearest 0.01 inch at six different points equally spaced around the tire and the results shall be averaged.

4.3.1.1.4 Skid depth. The depth of the tread groove nearest to or on the tread centerline of the tire shall be measured to the nearest 0.001 inch at six points (measurement shall not be made on tread ribs or sipes) equally spaced around the inflated tire and the results shall be averaged (see appendix A).

ZZ-T-1619A

The deepest depth between the lugs or ribs of the tire shall be the measuring point to establish the skid depth. The measurements shall be made in voids nearest to the centerline of the tire.

When a tire tread design has two tread radii, the arch of the smallest tread radius shall be used to measure the skid depth.

When a tire tread design has one larger lug or rib in the centerline than those smaller lugs or ribs located off the centerline and toward the shoulders, the arch of the radius of the S.70 of the tire to be measured shall be used to measure the skid depth.

4.3.2 Carcass strength index measurement. Groups 1 and 1A tires shall meet the following requirements:

- 4 ply rated tires - 1600 pounds
- 6 ply rated tires - 2400 pounds
- 8 ply rated tires - 3200 pounds
- 10 ply rated tires - 4000 pounds
- 12 ply rated tires - 4800 pounds

Note: Not less than 75 percent of the minimum carcass strength index values shown for particular ply rating, as shown above, must be from piles that extend from around the bead(s) of the tire to and around the other bead(s) of the tire.

4.3.2.1 Preparation of tire for removal of cord. Select the tire to be examined and cut out one (1) section at least 20 inches long. Beads are cut off at the bead centering ring molded in the side wall. Identification tag showing the tire number, section, and project identification. The tire section is then soaked for the necessary time (up to 2 weeks) in perchlorethylene until the rubber is soft. After soaking, the outside ply is pulled first to get rid of the heavy tread. Breakers, if present, must be recovered so they can be tested. To pull the outside ply first, it is necessary to start at a corner of the section where the cords are the shortest. The cords are pulled outward in the plane of the ply. Pull strips of cord from the first ply of the tire, each strip containing as many cords as possible until at least 48 full ply lengths have been obtained. Label the bundle of strips with the project, tire number, and ply number. Pull and discard the remainder of the first ply to expose the next ply for pulling. Pull each ply of the tire in the same manner as the first ply. The sequence and method of pulling plies from tires may be modified to enable the cords to be removed in the easiest manner.

Prepare at least 24 separate, individual, full length cords for tensile testing by pulling them individually from the strip. It is sometimes helpful, in order to obtain as clean (rubber free) cords as possible, to pull every other cord from the strip. The pulled cords are bundled together and tagged. The tag should contain project, tire number, and ply number. All the cords from each ply of the section of the tire are to be conditioned at 55± 2% R.H. 75±2°F for at least twenty-four hours before they are broken on the Instron tester.

Testing shall be in accordance with ASTM method D885 (committee D-13), D76, E4, and E74. The test length of the cord taken from carcass piles shall be 10±.05 inches. The test length of the cord taken from breaker plies shall be 5±.05 inches.

4.3.2.2 The determination of the number of cords per inch. Determine the number of cords per inch (ends per inch) normal to the cord path for each ply at the centerline in the crown area. The ends per inch (EPI) can be determined by buffing the tire, or any suitable commercial practice.

The carcass strength index is determined by the following equation:

$$S = P_1 + P_2 + P_3$$

$$P = S_c \times n$$

S= Carcass strength index.

P= Ply strength

$S_c$ = Individual cord strength in each ply.

n= Cord count at the center line of the tire (end per inch) normal to the cord path in each ply.

4.3.3 Hidden defects inspection. A visual inspection of two tires shall be made in the area between the plies and tread for evidence of hidden defects. The tire shall be cut into not less than eight equal cross sections with each section being cut circumferentially in midcrown and on each side of the crown at the point of maximum shoulder thickness; any additional cuts deemed necessary for complete inspection of the tire shall be made. The cut sections shall then be inspected for evidence of hidden defects such as separation of tread, ply, or bead, and the tire construction, in accordance with MIL-STD-1224.

4.3.4 Tensile strength and elongation test. After being checked for hidden defects, the tire shall be subjected to test for tensile strength and ultimate elongation of tread and sidewall, to determine the conformance to 3.4.3.1 and 3.4.3.2, respectively.

4.3.4.1 Preparation of test specimens. Test specimens shall be cut (longitudinally at center of tread of sidewall) with a die no. VI of method 4111 of Fed. Test Method Std. No. 601. On tread specimens, the nonskid portion shall be sliced off with a knife, after which the central portion shall be buffed on each side over a length of 2 1/2 inches until free from friction compound, fabric impressions, or irregularities of surface. In case specimens cut with die no. VI cannot be obtained, specimens may be cut with die no. IV of method 4111 of the same standard. On sidewall specimen rubber solvent shall be used, if necessary, to separate rubber and fabric, and one or both sides shall be buffed as necessary. This sample shall be furnished by the manufacturer.

4.3.4.2 Procedure. The specimens, prepared as specified in 4.3.4.1, shall be tested for tensile strength and ultimate elongation in accordance with methods 4111 and 4121 of Fed. Test Method Std. No. 601.

4.3.5 Ozone resistance and temperature requirements. When specified, specimens shall be tested in accordance with MIL-T-12459 (see 3.4.2).

4.3.6 Inspection of preparation for delivery. The preservation, packaging, packing, and marking of the tires shall be inspected to determine conformance to the applicable requirements of section 5.

#### 4.4 QUALITY CONFORMANCE INSPECTION

4.4.1 Sampling for inspection and acceptance. Sampling for inspection and acceptance shall be performed in accordance with the provisions set forth in MIL-STD-105. Testing shall be performed at the supplier's or other commercial laboratory acceptable to the Government or at a Government laboratory, if specified.

4.4.2 Inspection lot. The inspection lot shall consist of all tires of one group, size, and ply type, from an identifiable production period, from one manufacturer, one plant, and submitted for acceptance at one time.

4.4.3 Visual examination. The sample unit shall be one new completely fabricated tire. Visual examination of the external and internal surfaces of each sample tire shall be in accordance with MIL-STD-1224. The AQL for major defects shall be 4.0 percent defective and for minor defects, 6.5 percent defective. The inspection level shall be S-4.

4.4.4 Dimensional examination. The sample unit shall be one new completely Fabricated tire. Each sample tire shall be inspected for:

Tire overall diameter (see 4.3.1.1.2).  
Tire overall width (see 4.3.1.1.3).  
Skid depth (see 4.3.1.1.4).

A tire failing to pass one or more of the above characteristics shall be considered a defective tire. The acceptance shall be in accordance with table II. Use any three tires selected for visual examination.

4.4.5 Material furnished for tests. Tires, flaps, valves, and inner tubes used for or in tests shall be furnished by the manufacturer without cost to the Government.

Table II

Number of tires for examination	Characteristics	Number of tires to be examined	Test	
			Acc.	Rej.
	Tire overall diameter (all groups)	3		
	Skid depth (all groups)	3		

ZZ-T-1619A

Table II (cont.)

Number of tires for examination	Characteristics	Number of tires to be examined	Test	
			Ace.	Rej .
	Tire overall width (all groups)	<u>3</u>		
Total tires - 3	Total examinations	9	1	2

## 5. PREPARATION FOR DELIVERY

5.1 Packaging. Packaging shall be level A or C, as specified (see 6.2).

5.1.1 Level A. The tires shall be packaged in accordance with level A requirements of MIL-T-4.

5.1.2 Level C. The tires shall be packaged in accordance with supplier's commercial practice.

5.2 Packing. Packing shall be level A, B, or C, as specified (see 6.2).

5.2.1 Level A. The tires shall be packed in accordance with level A requirements of MIL-T-4.

5.2.2 Level B. The tires shall be packed in accordance with level B requirements of MIL-T-4.

5.2.3 Level C. The tires shall be packed to ensure carrier acceptance and safe delivery to destination in containers complying with the rules and regulations applicable to the mode of transportation.

5.3 Marking.

5.3.1 Civil agencies. In addition to marking required by the contract or order, the tires and shipping containers shall be marked in accordance with Fed, std. No. 123 and UU-T-81.

5.3.2 Military agencies. In addition to marking required by the contract or order, the tires and shipping containers shall be marked in accordance with MIL-STD-129.

## 6. NOTES

6.1 Intended use. Tires covered by this specification are intended primarily for mounting on agricultural tractors, agricultural implements, and garden tractors.

6.2 Ordering data. purchasers should select the preferred options permitted herein and include the following information in procurement documents:

- (a) Title, number and date of this specification.
- (b) Size and ply rating, (see 1.2.2, 3.2.2, and 3.2.3).
- (c) Tread design (see 3.3.4).
- (d) Ozone resistance and temperature requirements (see 3.4.2).
- (e) Special labeling when required (see 3.8).
- (f) Inspection and testing responsibility (see 4.1, 4.3 through 4.3.6).
- (g) selection of applicable level of packaging and packing requirements (see 5.1 and 5.2).

6.3 Qualification. In procurement of products requiring qualification, awards will be made only for such products as have been approved in writing for inclusion in the applicable Qualified Products List prior to the time set for opening for bids, whether or not such products have actually been so listed by that date. The attention of the suppliers is called to this requirement, and manufacturers are urged to communicate with the Director, Automotive Technical Support Division, Federal Supply Ser'wee, General, Services Administration Washington, DC 20406, to arrange to submit a list of tires they propose to offer to the Government.

6.4 Level B packaging. When level B packaging is specified for civil agency procurement, the requirements of 5.1.1 shall apply.

6.5 Supersession data. This specification supersedes the group 2 agricultural tractor tires covered in ZZ-T-001083, December 30, 1966.



ZZ-T-1619A

## APPENDIX A

Agricultural Drive Wheel Tractor Tires  
Tire Types: R-1, R-2, R-3, and R-4

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall Tire Width		Overall Diameter Min.	TERRA Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing
				Min.	Max.				
10.5-24	R-1	4	W7	8.05	8.80	38.65	1380	22	1.16
	R-3	4	W7	8.05	8.80	37.72	1380	22	0.54
11.2-16	R-1	4	W6, W8L, 8LB	9.22	10.07	32.74	1230	20	1.25
	R-3	4	W8, W8L, 8LB	9.22	10.07	31.81	1230	20	0.58
	R-1	6	W8, W8L, 8LB	9.22	10.07	32.74	1560	30	1.25
	R-3	4	W8, W8H	9.22	10.07	40.74	1630	20	1.25
11.2-24	R-1	4	W8, W8H	9.22	10.07	39.81	1630	20	0.58
	R-3	4	W10, W10H	10.86	11.87	42.86	1860	18	1.32
11.2-28	R-1	4	W10, W10H	10.86	11.87	46.86	1980	18	1.32
	R-3	4	W10, DW10	10.86	11.87	54.86	2240	18	1.32
11.2-36	R-1	4	W10, DW10	10.86	11.87	56.86	2300	18	1.32
	R-3	6	W10L, 10LB	11.64	12.72	36.04	2020	24	0.67
12.4-16	R-1	8	W10L, 10LB	11.64	12.72	36.04	2390	32	0.67
	R-3	8	W11	12.03	13.14	44.97	2080	16	1.37
12.4-24	R-1	4	W11	12.03	13.14	44.97	2640	24	1.37
	R-3	6	W11	12.03	13.14	44.97	3120	32	1.37
12.4-28	R-1	4	W11	12.03	13.14	48.97	2220	16	1.37
	R-3	6	W11	12.03	13.14	48.97	2810	24	1.37
12.4-36	R-1	4	W11, DW11	12.03	13.14	56.97	2500	16	1.37
	R-3	6	W11, DW11	12.03	13.14	58.97	2570	16	1.37
13.6-24	R-1	4	W11, DW11	12.03	13.14	58.97	3260	24	1.37
	R-3	6	W12	13.19	14.42	46.91	2270	14	1.42
13.6-26	R-1	4	W12	13.19	14.42	46.91	2960	22	1.42
	R-3	6	DW12	13.19	14.42	48.91	2340	14	1.42
13.6-28	R-1	4	DW12	13.19	14.42	48.91	3050	22	1.42
	R-3	6	DW12	13.19	14.42	48.91	3050	22	1.42

ZZ-T-1619A

## APPENDIX A

Groups 1 and 1A

Agricultural Drive Wheel Tractor Tires

Tire Types: R-1, R-2, R-3, and R-4

(Continued)

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall Tire Width		Overall Diameter		TSRA Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing
				Min.	Max.	Min.	Max.			
13.6-28	R-1	4	W12	13.19	14.42	50.91	52.56	2420	14	1.42
	R-3	4	W12	13.19	14.42	49.98	51.57	2420	14	0.73
	R-1	6	W12	13.19	14.42	50.91	52.56	3160	22	1.42
13.6-38	R-1	4	W12, DW12	13.19	14.42	60.91	62.56	2810	14	1.42
	R-1	6	W12, DW12	13.19	14.42	60.91	62.56	3660	22	1.42
	R-2	6	W12, DW12	13.19	14.42	62.29	64.04	3660	22	2.64
13.9-36	R-1	4	W12, DW12	13.48	14.73	57.53	59.09	2730	14	1.37
	R-1	6	W12, DW12	13.48	14.73	57.53	59.09	3370	20	1.37
14.9-24	R-1	6	W13	14.45	15.79	49.05	50.85	3330	20	1.46
	R-3	6	W13	14.45	15.79	48.11	49.85	3330	20	0.78
	R-4	6	W13	14.45	15.79	48.11	49.85	3330	20	1.00
	R-4	8	W13	14.45	15.79	48.11	49.85	3880	26	1.00
14.9-26	R-1	6	W13	14.45	15.79	51.05	52.85	3440	20	1.46
	R-1	8	W13	14.45	15.79	51.05	52.85	4010	26	1.46
14.9-28	R-1	6	W13	14.45	15.79	53.05	54.85	3550	20	1.46
	R-4	6	W13	14.45	15.79	52.11	53.85	3550	20	1.00
	R-4	8	W13	14.45	15.79	52.11	53.85	4140	26	1.00
14.9-30	R-1	6	W13	14.45	15.79	55.05	56.85	3670	20	1.46
14.9-38	R-1	6	W13	14.45	15.79	63.05	64.85	4120	20	1.46
	R-2	6	W13	14.45	15.79	64.55	66.46	4120	20	2.77
15.5-38	R-1	6	W14L, DW14	15.04	16.43	61.05	62.71	3890	20	1.42
	R-2	6	W14L, DW14	15.04	16.43	62.43	64.19	3890	20	2.64
	R-1	8	W14L, DW14	15.04	16.43	61.05	62.71	4540	26	1.42
16.9-24	R-1	6	W15L	16.39	17.91	51.63	53.62	3800	18	1.50
	R-3	6	W15L	16.39	17.91	50.69	52.62	3800	18	0.82
	R-4	6	W15L	16.39	17.91	50.69	52.62	3800	18	1.04
	R-1	8	W15L	16.39	17.91	51.63	53.62	4490	24	1.50
	R-4	8	W15L	16.39	17.91	50.69	52.62	4490	24	1.04
	R-4	10	W15L	16.39	17.91	50.69	52.62	4920	28	1.04

ZZ-T-1619A

## APPENDIX A

Agricultural Drive Wheel Tractor Tires  
Tire Types: R-1, R-2, R-3, and R-4

A and 1A

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall Tire Width		Overall Diameter		TCRA Load	Inflation Pressure	Depth @ Center of Casing
				Min.	Max.	Min.	Max.			
	R-1	6	W15L	16.39	17.91	53.63	55.62	3920	18	1.50
	R-3	6	W15L	16.39	17.91	52.69	54.62	3920	18	0.82
	R-1	8	W15L	16.39	17.91	53.63	55.62	4640	24	1.50
16.4-23	R-1	6	W15L	16.39	17.91	55.63	57.62	4050	18	1.50
	R-4	6	W15L	16.39	17.91	54.69	56.62	4050	18	1.04
	R-1	8	W15L	16.39	17.91	55.63	57.62	4790	24	1.50
	R-4	8	W15L	16.39	17.91	54.69	56.62	4790	24	1.04
16.9-24	R-1	6	W15L	16.39	17.91	57.63	59.62	4180	18	1.50
	R-1	8	W15L	16.39	17.91	57.63	59.62	4950	24	1.50
16.9-34	R-1	6	W15L	16.39	17.91	61.63	63.62	4440	18	1.50
	R-1	8	W15L	16.39	17.91	61.63	63.62	5250	24	1.50
16.9-38	R-1	6	W15L	16.39	17.91	65.63	67.62	4700	18	1.50
	R-1	8	W15L	16.39	17.91	65.63	67.62	5560	24	1.50
18.4-15.1	R-1	6	16LB	17.85	19.50	43.90	45.91	2810	16	1.55
	R-3	6	16LB	17.85	19.50	42.97	44.91	2810	16	0.90
	R-3	8	16LB	17.85	19.50	42.97	44.91	3200	20	1.55
18.4-26	R-1	6	W16L, DW16	17.85	19.50	56.17	58.34	4190	16	1.55
	R-2	6	W16L, DW16	17.85	19.50	57.98	60.28	4190	16	3.06
	R-3	6	W16L, DW16	17.85	19.50	55.24	57.35	4390	16	0.90
	R-1	8	W16L, DW16	17.85	19.50	56.17	58.34	5000	20	1.55
	R-2	8	W16L, DW16	17.85	19.50	57.98	60.28	5000	20	3.06
	R-1	10	W16L, DW16	17.85	19.50	56.17	58.34	5830	26	1.55
	R-2	10	W16L, DW16	17.85	19.50	57.98	60.28	5830	26	3.06
	R-3	10	W16L, DW16	17.85	19.50	55.24	57.35	5830	26	0.09
18.4-28	R-1	6	W16L	17.85	19.50	58.17	60.34	4530	16	1.55
18.4-30	R-1	6	W16L, DW16	17.85	19.50	60.17	62.34	4680	16	1.55
	R-2	6	W16L, DW16	17.85	19.50	61.98	64.28	4680	16	3.06
	R-1	8	W16L, DW16	17.85	19.50	60.17	62.34	5330	20	1.55
	R-1	10	W16L, DW16	17.85	19.50	60.17	62.34	6210	26	1.55
	R-3	10	W16L, DW16	17.85	19.50	59.24	61.35	6210	26	0.90

ZZ-T-1619A

## APPENDIX A

Groups 1 and 1A  
Agricultural Drive Wheel Tractor Tires  
Tire Types: R-1, R-2, R-3, and R-4  
(Continued)

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall		Overall Diameter Min.	T&R Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing
				Min.	Max.				
18.4-34	R-1	6	W16L, DW16	17.85	19.50	64.17	4970	16	1.55
	R-2	6	W16L, DW16	17.85	19.50	65.98	4970	16	3.06
	R-1	8	W16L, DW16	17.85	19.50	64.17	5660	20	1.55
	R-2	8	W16L, DW16	17.85	19.50	65.98	5660	20	3.06
	R-1	10	W16L, DW16	17.85	19.50	64.17	5600	26	1.55
18.4-38	R-1	6	W16L	17.85	19.50	68.17	5250	16	1.55
	R-2	6	W16L	17.85	19.50	69.98	5250	16	3.06
	R-1	8	W16L	17.85	19.50	68.17	5990	20	1.55
	R-2	8	W16L	17.85	19.50	69.98	5990	20	3.06
	R-1	10	W16L	17.85	19.50	68.17	6980	26	1.55
	R-2	10	W16L	17.85	19.50	69.98	6980	26	3.06
	R-1	12	W16L	17.85	19.50	68.17	7880	32	1.55
20.8-34	R-1	8	W18L	20.18	22.05	67.17	6440	18	1.58
	R-1	10	W18L	20.18	22.05	67.17	7240	22	1.58
20.8-38	R-1	8	W18L	20.18	22.05	71.17	6820	18	1.58
	R-2	8	W18L	20.18	22.05	73.16	6820	18	3.22
	R-1	10	W18L	20.18	22.05	71.17	7670	22	1.58
	R-2	10	W18L	20.18	22.05	73.16	7670	22	3.22
	R-1	12	W18L	20.18	22.05	71.17	8830	28	1.58
	R-2	12	W18L	20.18	22.05	73.16	8830	28	3.22
23.1-26	R-1	8	DW20	22.41	24.49	62.08	6280	16	1.61
	R-2	8	DW20	22.41	24.49	64.25	6280	16	3.36
	R-3	8	DW20	22.41	24.49	61.15	6280	16	1.06
	R-1	10	DW20	22.41	24.49	62.08	7160	20	1.61
	R-2	10	DW20	22.41	24.49	64.25	7160	20	3.36
23.1-30	R-1	8	DW20	22.41	24.49	61.15	7160	20	1.06
	R-2	8	DW20	22.41	24.49	65.08	6700	16	1.61
23.1-34	R-1	8	DW20	22.41	24.49	68.25	6700	16	3.36
	R-2	8	DW20	22.41	24.49	71.01	6700	16	3.36
24.5-32	R-1	10	DW21	23.77	25.97	70.08	7110	16	1.61
	R-2	10	DW21	23.77	25.97	72.25	7110	16	3.36
	R-1	10	DW21	23.77	25.97	72.69	8700	20	1.65
	R-2	10	DW21	23.77	25.97	74.99	8700	20	3.46

Groups 1 and 1A  
APPENDIX A  
Agricultural Drive Wheel Tractor Tires  
Tire Types: R-1, R-2, R-3, and R-4  
(Continued)

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall Tire Width		Overall Diameter		TSRA Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing
				Min.	Max.	Min.	Max.			
28L-26	R-1	10	DW25	27.26	29.79	62.47	65.10	7800	18	1.72
	R-2	10	DW25	27.26	29.79	64.66	67.45	7800	18	3.36
30.5L-32	R-1	12	DW27	29.59	32.33	70.41	73.18	10,390	20	1.68

Tire Type Nomenclature

Code Number	Tire Type
R-1	Rear wheel, regular tread
R-2	Cane and Rice, rear wheel, deep tread
R-3	Rear wheel, shallow tread
R-4	Industrial tractor, drive wheel, intermediate tread

NOTE:

1. Loads shown are those in 1976 Tire & Rim Association Yearbook.
2. Loads shown are for speeds up to 10 m.p.h., for speeds up to 20 m.p.h. reduce loads shown by 15%

ZZ-T-1619A

## APPENDIX A

## Agricultural Tractor Steering Wheel Tires

Groups 1 and 1A		Tire Types: F-1, F-2 and F-3									
Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall		Overall Diameter Min.	Overall Diameter Max.	TGRA Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing	
				Min.	Max.						
4.00-12SL	F-2	4	3.00D	4.27	4.66	20.96	21.70	550	52	.43	
4.00-15SL	F-2	4	3.00D	4.27	4.66	23.96	24.70	650	52	.43	
4.00-19SL	F-2	4	3.00D	4.27	4.66	27.96	28.70	790	52	.43	
5.00-15SL	F-2	4	3.00D	4.95	5.41	25.81	26.70	810	44	.50	
5.50-16SL	F-2	4	4.00E	5.72	6.25	27.70	28.66	940	40	.58	
	F-2	6	4.00E	5.72	6.25	27.70	28.66	1160	56	.58	
6.00-14SL	F-2	4	5KB	6.45	7.05	26.71	27.76	900	36	.60	
	F-2	6	5KB	6.45	7.05	26.71	27.76	1140	52	.60	
6.00-16SL	F-1	4	4.00E	6.06	6.63	29.15	30.24	1000	36	.83	
6.00-16SL	F-2	4	4.00E	6.06	6.63	28.71	29.76	1000	36	.60	
	F-2	6	4.00E	6.06	6.63	28.71	29.76	1260	52	.60	
	F-2	8	4.00E	6.06	6.63	28.71	29.76	1490	68	.60	
6.50-16SL	F-2	4	4.50E	6.60	7.21	29.54	30.66	1130	36	.67	
	F-2	6	4.50E	6.60	7.21	29.54	30.66	1360	48	.67	
7.50-10SL	F-2	6	5.50F	7.76	8.48	25.33	26.59	1230	44	.78	
7.50-16SL	F-2	4	5.50F	7.76	8.48	31.33	32.59	1340	32	.78	
	F-2	6	5.50F	7.76	8.48	31.33	32.59	1650	44	.78	
	F-3	6	5.50F	7.76	8.48	30.34	31.52	1650	44	.29	
	F-2	8	5.50F	7.76	8.48	31.33	32.59	1920	56	.78	
7.50-20SL	F-2	4	5.50F	7.76	8.48	33.33	34.59	1450	32	.78	
	F-2	6	5.50F	7.76	8.48	33.33	34.59	1790	44	.78	
	F-1	6	5.50F	7.76	8.48	33.77	35.07	1790	44	1.00	
7.50-20SL	F-1	6	5.50F	7.76	8.48	35.77	37.07	1930	44	1.00	
	F-2	6	5.50F	7.76	8.48	35.33	36.59	1930	44	.78	
3.00-10SL	F-2	8	6.00F	8.92	9.75	27.19	28.61	1750	48	.88	
9.50-20SL	F-2	6	W7L	9.70	10.60	37.95	39.43	2440	36	.94	
	F-2	8	W7L	9.70	10.60	37.95	39.43	2770	44	.94	

## APPENDIX A

## Agricultural Tractor Steering Wheel Tires

## Groups 1 and 1A

Tire Types: F-1, F-2 and F-3

(Continued)

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall		Overall Diameter Min.	Overall Diameter Max.	16RA Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing
				Min.	Max.					
10.00-16SL	F-1	6	W8	10.48	11.45	35.07	36.64	2130	32	1.22
	F-2	6	W8	10.48	11.45	34.62	36.16	2130	32	1.00
	F-2	8	W8	10.48	11.45	34.62	36.16	2630	44	1.00
11.00-15SL	F-2	6	W10L	12.03	13.14	37.42	39.18	2520	32	1.09
	F-3	6	W10L	12.03	13.14	36.18	37.80	2520	32	.48
	F-1	8	W10L	12.03	13.14	37.86	39.67	2920	40	1.32
	F-2	8	W10L	12.03	13.14	37.42	39.18	2920	40	1.09
	F-3	8	W10L	12.03	15.14	36.18	37.80	2920	40	.48
	F-2	12	W10L	12.03	13.14	37.42	39.18	3780	60	1.09
7.5L-15SL	F-3	12	W10L	12.03	13.14	36.18	37.80	3780	60	.48
	F-2	5	6LB	7.95	8.69	28.93	30.08	1590	44	.78
9.5L-15SL	F-2	8	6LB	7.95	8.69	28.93	30.08	1850	56	.78
	F-2	6	8LB	9.60	10.49	30.33	31.59	1700	36	.90
11L-15SL	F-2	8	8LB	9.60	10.49	30.33	31.59	2050	48	.90
	F-2	6	8LB	10.67	11.66	31.49	32.85	1910	32	1.05
11L-16SL	F-2	8	8LB	10.67	11.66	31.49	32.85	2350	44	1.05
	F-3	8	8LB	10.67	11.66	30.35	31.61	2350	44	.48
14L-16.1SL	F-3	8	8LB	10.67	11.66	31.35	32.61	2450	44	.48
	F-3	10	8LB	10.67	11.66	31.35	32.61	2720	52	.48
16.5L-16.1SL	F-2	6	W11C	13.58	14.84	38.12	39.94	2850	28	1.25
	F-3	8	W11C	13.58	14.84	36.76	38.47	3370	36	.58
	F-3	10	W11C	13.58	14.84	36.76	38.47	3840	44	.58
16.5L-16.1SL	F-3	6	14LB	16.01	17.49	39.86	41.83	3240	24	.62
	F-3	12	14LB	16.01	17.49	39.86	41.83	5140	48	.62

## APPENDIX A

Agricultural Tractor Steering Wheel Tires  
Tire Types: F-2, F-2 and F-3  
(Continued)

## Group 1 and 1A

Tire Type Nomenclature

<u>Code Number</u>	<u>Tire Type</u>
F-1	Agricultural Single Rib
F-2	Agricultural Dual or Triple Rib
F-3	Industrial Multiple - Rib

## NOTE:

1. Loads shown are those in 1976 Tire and Rim Association Yearbook.
2. Loads shown are for speeds up to 10 m.p.h., for speeds up to 20 m.p.h. reduce loads shown by 15%.



ZZ-T-1619A

## APPENDIX A

Agricultural Implement Tires  
Tire Types: I-1, I-2, I-3, I-4, and I-6

## Groups 1 and 1A

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall Tire Width		Overall Diameter		TSRA Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing
				Min.	Max.	Min.	Max.			
3.50-12SL	I-4	4	2.50C	3.73	4.08	S820.01	20.67	670	48	.17
	I-4	4	2.50C	3.73	4.08	D819.28	19.28	670	48	.17
4.00-8SL	I-6	2	3.00D	4.27	4.67	15.76	16.40	390	24	.17
	I-6	4	3.00D	4.27	4.67	15.76	16.40	580	44	.17
4.00-9SL	I-1	4	3.00D	4.27	4.67	17.18	17.88	630	44	.17
4.00-12SL	I-1	4	3.00D	4.27	4.67	20.18	20.88	770	44	.17
4.00-15SL	I-1	4	3.00D	4.27	4.67	23.18	23.80	910	44	.17
4.00-18SL	I-1	2	3.00D	4.27	4.67	26.18	26.88	670	24	.17
	I-1	4	3.00D	4.27	4.67	26.18	26.88	1010	44	.17
5.00-15SL	I-1	4	3.00D	4.95	5.41	24.84	25.68	1100	36	.21
	I-3	4	3.00D	4.95	5.41	25.46	26.32	1100	36	.45
5.50-16SL	I-1	4	4.00E	5.72	6.26	26.70	27.60	1360	36	.23
5.90-15SL	I-1	4	4- $\frac{1}{8}$ K	5.91	6.47	25.86	26.76	1300	36	.23
	I-3	4	4- $\frac{1}{8}$ K	5.91	6.47	26.47	27.42	1300	36	.47
6.00-16SL	I-1	4	4.00E	6.06	6.63	27.68	28.64	1430	32	.24
	I-1	6	4.00E	6.06	6.63	27.68	28.64	1760	44	.24
6.40-15SL	I-1	4	4- $\frac{1}{8}$ K, 4- $\frac{1}{8}$ B	6.21	6.78	25.56	27.52	1340	32	.23
	I-1	6	4- $\frac{1}{8}$ K, 4- $\frac{1}{8}$ B	6.21	6.78	26.56	27.52	1750	48	.23
6.50-16SL	I-1	4	4.50E	6.59	7.21	28.54	29.56	1480	28	.26
	I-1	6	4.50E	6.59	7.21	28.54	29.56	1990	44	.26
6.70-15SL	I-1	4	4- $\frac{1}{8}$ K, 4- $\frac{1}{8}$ KB	6.50	7.10	27.32	28.34	1490	32	.24
	I-3	4	4- $\frac{1}{8}$ KB	6.50	7.10	27.95	29.02	1490	32	.49
	I-1	6	4- $\frac{1}{8}$ KB	6.50	7.10	27.32	28.34	1840	44	.24

## APPENDIX A

Agricultural Implement Tires  
Tire Types: I-1, I-2, I-3, I-4, and I-6  
(Continued)

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall Tire Width		Overall Diameter		TSPA Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing
				Min.	Max.	Min.	Max.			
7.50-16SL	I-1	4	5.50F	7.76	8.48	30.46	31.66	1900	28	.29
	I-3	4	5.50F	7.76	8.48	31.08	32.32	1900	28	.53
	I-1	6	5.50F	7.76	8.48	30.46	31.66	2250	36	.29
	I-1	8	5.50F	7.76	8.48	30.46	31.66	2710	48	.29
	I-1	10	5.50F	7.76	8.48	30.46	31.66	3120	60	.29
7.50-18SL	I-1	4	5.50F	7.76	8.48	32.46	33.66	1980	28	.29
	I-3	4	5.50F	7.76	8.48	33.08	34.32	1980	28	.53
	I-1	6	5.50F	7.76	8.48	32.46	33.66	2340	36	.29
7.50-20SL	I-1	4	5.50F	7.76	8.48	34.96	35.66	2040	28	.29
	I-3	4	5.50F	7.76	8.48	35.08	36.32	2040	28	.53
	I-1	6	5.50F	7.76	8.48	34.46	35.66	2410	36	.29
7.50-24SL	I-1	4	W7	8.44	9.22	38.80	40.04	2150	28	.29
	I-3	4	W7	8.44	9.22	39.08	40.32	2150	28	.53
7.60-15SL	I-1	4	5- $\frac{1}{2}$ K	7.37	8.06	28.48	29.60	1610	28	.26
	I-3	4	5- $\frac{1}{2}$ K	7.37	8.06	29.12	30.28	1610	28	.51
	I-1	6	5- $\frac{1}{2}$ K	7.37	8.06	28.48	29.60	2030	40	.26
	I-3	6	5- $\frac{1}{2}$ K	7.37	8.06	29.12	30.28	2030	40	.51
	I-1	8	5- $\frac{1}{2}$ K	7.37	8.06	28.48	29.60	2410	52	.26
8.00-15SL	I-1	8	6LB	8.92	9.75	32.86	34.28	3380	44	.31
	I-1	10	6LB	8.92	9.75	32.86	34.23	3760	52	.31
8.00-24SL	I-1	6	W8, W8H	10.38	11.23	42.48	44.00	3240	28	.31
	I-1	8	W8H	10.38	11.33	42.48	44.00	4100	40	.31
8.25-15SL	I-1	8	8LB, W8L	10.47	11.44	33.04	34.54	3700	40	.33
8.25-24SL	I-1	8	W10, W10H	12.41	13.58	45.44	47.20	4620	32	.35
11.25-28SL	I-1	8	W10, W10H	12.41	13.58	45.44	47.20	4620	32	.35
11.25-24SL	I-1	10	W10H	12.41	13.58	49.44	51.20	5550	40	.35
13.50-16.1-1	I-2	6	W11C-16.1	13.48	14.73	39.96	41.94	4040	24	.58
	I-3	6	W11C-16.1	13.48	14.73	40.32	42.33	4040	24	.72
	I-2	8	W11C-16.1	13.48	14.73	39.96	41.94	4910	32	.58
	I-2	10	W11C-16.1	13.48	14.73	39.96	41.94	5690	40	.78

APPENDIX A

Agricultural Implement Tires  
Tire Types: I-1, I-2, I-3, I-4, and I-6  
(Continued)

Groups 1 and 1A

Tire Type Nomenclature

<u>Code Number</u>	<u>Tire Type</u>
I-1	Rib Tread
I-2	Moderate Tread
I-3	Traction Tread
I-4	Plow Tail Wheel
I-6	Smooth Tread

NOTE:

1. Loads shown are for speeds up to 10 m.p.h. maximum, for speeds up to 20 m.p.h. maximum reduce loads shown by 15%.
2. Loads shown are those in 1976 Tire & Rim Association Yearbook.

## APPENDIX A

Agricultural Implement Tires  
Low Section Height

Tire Types: I-1, I-2, and I-3

Groups 1 and 1A

Tire Size	Tire Type	Ply Rating	Measuring Rim	Overall Tire Width		Overall Diameter		TSRA Load	Inflation Pressure	Minimum Skid Depth @ Center of Casing
				Min.	Max.	Min.	Max.			
8.5L-14SL	I-1	6	6KB	8.25	9.02	27.94	29.10	2120	36	.33
	I-1	8	6KB	8.25	9.02	27.94	29.10	2560	48	.33
9.5L-14SL	I-1	4	8KB	9.60	10.50	28.72	29.94	1820	24	.33
	I-1	6	8KB	9.60	10.50	28.72	29.94	2220	32	.33
	I-1	8	8KB	9.60	10.50	28.72	29.94	2730	44	.33
9.5L-15SL	I-1	6	8LB, W8L	9.60	10.50	29.72	30.94	2320	32	.33
	I-1	8	W8L	9.60	10.50	29.72	30.94	2860	44	.33
11L-14SL	I-1	6	8KB	10.67	11.67	29.13	30.38	2370	28	.34
	I-1	8	8KB	10.67	11.67	29.13	30.38	2800	36	.34
11L-15SL	I-1	6	8LB, W8L	10.67	11.67	30.13	31.38	2470	28	.34
	I-1	8	W8L	10.67	11.67	30.13	31.38	2930	36	.34
	I-1	10	W8L	10.67	11.67	30.13	31.38	3340	44	.34
11L-16SL	I-1	6	W8, W8L, 8LB	10.67	11.67	31.13	32.38	2580	28	.34
	I-1	8	W8, W8L, 8LB	10.67	11.67	31.13	32.38	3050	36	.34
	I-1	10	W8, W8L, 8LB	10.67	11.67	31.13	32.38	3480	44	.34
12.5L-15SL	I-1	6	10LB	12.12	13.25	31.88	33.27	2930	28	.38
	I-3	6	10LB	12.12	13.25	32.61	34.06	2930	28	.67
	I-1	8	10LB	12.12	13.25	31.88	33.27	3460	36	.38
	I-3	8	10LB	12.12	13.25	32.61	34.06	3460	36	.67
	I-1	10	10LB	12.12	13.25	31.88	33.27	3940	44	.38
15.5L-16.1SL	I-1	6	10LB, W10L	12.12	13.25	32.88	34.27	3040	23	.38
	I-1	8	10LB, W10L	12.12	13.25	32.88	34.27	3600	36	.38
15.5L-16.1SL	I-1	12	10LB, W10L	12.12	13.25	32.88	34.27	4570	52	.38
	I-1	14	10LB, W10L	12.12	13.25	32.88	34.27	4780	56	.38
19.5L-20.1SL	I-1	10	W11C-16.1	13.58	14.83	36.37	38.05	4760	36	.38
	I-1	12	W11C-16.1	13.58	14.83	36.37	38.05	5420	44	.38
23.5L-26.1SL	I-1	6	16.1-14LB	16.00	17.48	39.57	41.52	4590	24	.43
	I-2	6	16.1-14LB	16.00	17.48	40.06	42.04	4590	24	.62
	I-1	8	16.1-14LB	16.00	17.48	39.57	41.52	5100	28	.43
	I-2	8	16.1-14LB	16.00	17.48	40.06	42.04	5100	28	.62
26.5L-28.1SL	I-2	10	16.1-14LB	16.00	17.48	40.06	42.04	6040	36	.62

APPENDIX A

Agricultural Implement Tires  
Low Section Height  
Tire Types: I-1, I-2, and I-3  
(Continued)

Groups 1 and 1A

Tire Type Nomenclature

<u>Code Number</u>	<u>Tire Type</u>
I-1	Rib Tread
I-2	Moderate Tread
I-3	Traction Tread

NOTE:

1. Loads shown are for speeds up to 10 m.p.h., for speeds up to 20 m.p.h. maximum reduce loads shown by 15%.
2. Loads shown are those in 1976 Tire & Rim Association Yearbook.

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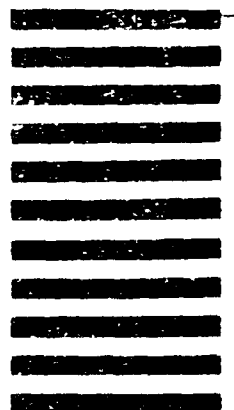
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