

TABLE F1 – RADIAL PLY AGRICULTURAL DRIVE WHEEL TIRES USED ON AGRICULTURAL HARVESTING EQUIPMENT IN CYCLIC LOADING FIELD SERVICE AND ROAD TRANSPORT (EXCLUDING HILLSIDE COMBINES)

TIRES USED AS SINGLES

BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE SIZE	BASIC TIRE LOAD INDEX NO.	CYCLIC INFLATION PRESSURE		FIELD SERVICE MAXIMUM CYCLIC LOAD				ROAD TRANSPORT MAXIMUM LOAD	
		psi	kPa	MAX. SPEED 6 MPH (10 KM/H)		MAX. SPEED 10 MPH (15 KM/H)		MAX. SPEED 25 MPH (40 KM/H)	
				lbs	kg	lbs	kg	lbs	kg
14.9R26	132	38	260	7480	3390	6820*	3090*	5000	2270
16.9R24	134	30	210	7960	3610	7250*	3290*	5080	2300
16.9R26	135 (2*)	30	210	8150	3700	7450*	3380*	5360	2430
18.4R26	140 (2*)	30	210	9400	4260	8550*	3880*	6400	2900
18.4R38	141 (1*)	24	160	9650	4380	8800*	4000*	6600	3000
	146 (2*)	30	210	11200	5100	10200*	4640*	7600	3450
18.4R42	148 (2*)	30	210	11800	5360	10800*	4880*	8050	3650
20.8R38	147 (1*)	24	160	11600	5240	10500*	4760*	8050	3650
	153 (2*)	30	210	13700	6200	12500*	5660*	9100	4125
20.8R42	155 (2*)	30	210	14500	6600	13300*	6000*	9650	4375
24.5R32	154	24	170	14030	6360	12790*	5800*	9650	4375
30.5LR32	170 (3*)	36	250	22400	10200	20500*	9300*	14800	6700
380/90R46	149	41	280	12200	5540	11100*	5040*	7850	3550
420/80R46	149	35	240	12200	5540	11100*	5040*	7600	3450
	151	44	300	12900	5870	11800*	5350*	8250	3750
	161	70	480	17300	7860	15800*	7170*	11000	5000
420/85R26	138	29	200	8840	4010	8060*	3660*	5680	2575
480/70R28	151	52	360	12900	5860	11800*	5340*	8250	3750
480/70R30	152	58	400	13340	6060	12160*	5530*	8800	4000
480/80R38	149	29	200	12150	5520	11080*	5030*	7850	3550
480/80R42	151	29	200	12900	5870	11800*	5350*	8250	3750
	154	35	240	14000	6350	12800*	5800*	8800	4000
520/85R38	155	29	200	14500	6600	13300*	6000*	9350	5240
520/85R42	157	29	200	15450	7020	14100*	6400*	9900	4500
	165	51	350	19400	8760	17700*	7980*	12300	5600
540/65R30	150	41	280	12580	5700	11470*	5200*	8050	3650
580/85R42	168	44	300	20900	9520	19100*	8680*	13600	6150
600/65R28	147	29	200	11600	5260	10500*	4760*	7850	3550
	154	44	300	14020	6370	12780*	5810*	9350	4250
600/70R28	164	58	400	18700	8500	17100*	7750*	11700	11700
600/70R30	152	29	200	13340	6060	12160*	5530*	8800	4000
	162	52	360	17850	8100	16200*	7360*	12000	5450
620/70R42	160	29	200	16830	7650	15340*	6970*	11000	5000
	166	41	280	19890	9040	18130*	8240*	12800	5800
650/75R32	167	41	280	20400	9250	18600*	8450*	12800	5800
	172	52	360	23600	10700	21500*	9750*	14800	6700
650/85R38	173	41	280	24300	11050	22150*	10070*	15700	7100
750/65R26	166	44	300	19890	9040	18130*	8240*	13200	6000
800/60R32	175	58	400	25840	11740	23560*	10700*	17100	7770

*Values at these inflation pressures are for determination of dual loads only

FOR RIM AND WHEEL LOAD INFORMATION, SEE IMPORTANT NOTES ON PAGES 168-172.

RADIAL FARM

BIAS FARM

FRONTS & IMPLEMENTS

FORESTRY & FLOTATION

DISCONTINUED

LOAD & INFLATION TABLES

GENERAL TIRE INFORMATION

WARRANTY

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TIRES USED AS SINGLES BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE SIZE	BASIC TIRE LOAD INDEX NO.	CYCLIC INFLATION PRESSURE		FIELD SERVICE MAXIMUM CYCLIC LOAD				ROAD TRANSPORT MAXIMUM LOAD	
				MAX. SPEED 6 MPH (10 KM/H)		MAX. SPEED 10 MPH (15 KM/H)		MAX. SPEED 25 MPH (40 KM/H)	
				psi	kPa	lbs	kg	lbs	kg
800/65R32	167	29	200	20400	9250	18600*	8450*	12800	5800
	172	41	280	23600	10700	21500*	9750*	15200	6900
800/70R38	173	29	200	24300	11050	22150*	10070*	15700	7100
	181	52	360	30940	14060	28210*	12800*	20900	9500
900/60R32	176	41	280	26700	12100	24300*	11000*	17100	7750
900/65R32	178	44	300	28050	12750	25570*	11620*	19300	8770
900/75R32	184	44	300	33660	15300	30690*	13950*	22700	10300

NOTES:

1. For tires used in dual service, above tire load limits must be reduced. Multiply figures in the above table by .88.
2. The load ratings in the above table reflect a different operating duty cycle when compared with agricultural tractors. This cyclic service is intended for use on a vehicle with a minimal requirement for torque transmission and with appreciable total weight fluctuations: e.g., combine grain tanks, which are repeatedly filled and emptied. Unloading is to occur before off-field transport.
3. For intermediate inflation pressures and for tires not shown, the field service loads in Tables A and B (pages 92-117) may be increased by 70% for 6 mph (10 km/h) applications and 55% for 10 mph (15 km/h) applications with an increase in inflation pressure of up to 25% with a minimum of +6 psi (+40 kPa) and a maximum of +12 psi (+80 kPa).
4. Due to higher inflation pressures specified for these tires, the tire and wheel manufacturer must be consulted.
5. The above field service cyclic loads only apply to vehicles that operate up to an 11° slope (20% grade). For operations on slopes greater than 11° (20% grade), loads in Tables A and B shall be used.
6. *For tires used on grain carts, the field service loads in Tables A and B may be increased by 55% for 15 mph (25 km/h), up to 1 mile (1.61 km), with an increase in inflation pressure of up to 25% with a minimum of +6 psi (+40 kPa) and a maximum of +12 psi (+80 kPa).

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FRONTS & IMPLEMENTS

FORESTRY & FLOTATION

DISCONTINUED

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