













































	PURDUE Agricultural & Biological Engineering																	
From: Firestone load/inflation tables																		
TABLE A Radial Ply Symbol-Marked Agricultural Tractor Drive Wheel Tires									TIRE TYPE NOMENCLATURE Code No. Tire Type R-1 Drive Wheel, Vergular Tread R-1W Drive Wheel, Stratus Tread R-3 Drive Wheel, Shallow Tread R-4 Industrial Tractor, Drive Wheel, Intermediate Tread R-4 Industrial Tractor, Drive Wheel, Intermediate Tread									
FOR AS AND B SPEED SYMBOL TIRES TIRES USED AS SINGLES									Rear 316(30, 00								
Basic Tire	TIRE LOAD LIMITS AT VARIOUS COL							UM SPI	lookup), 6 8 psi lookup), 7 9 psi									
TIRE SIZE	psi kPa	6 40	8 60	10 70	*12 *80	14 100	16 110	18 120 *	20	22 150	24 160	26 180	28 190	30 210	36 250			
16.9R30	l bs. 22	200	2600	3000	3300	3640	3860	4180 (130)	4400	4680	5080 (137)	5200	5360	5680 (141)	6150 (144)			
20.8R42	kg. 10 Ibs. 37 kg. 17	000 1 740 4 700 2	4540 2060	1360 5080 2300	1500 5680 2575	1650 6150 2800	1750 6800 3075	1900 (130) 7150 (149) 3250 (149)	2000 7600 3450	2120 8050 3650	2300 (137) 8550 (155) 3: At highe lower pr	2360 8800 er transp essures	2430 9350 ort spe (less th	2575 (141) 9650 (159) eds (above 2) aan 12 psi) in	2800 (144) Omph) and creased			
Singles										inflation pressure may be required for vehicle stability.								
Rear 20.8R42, Front 16.9R30, 6320 lb, 15 17 psi 4220 lb, 19 21 psi									 When used as Duals, tire loads must be reduced 12%; when used as Triples, tire loads must be reduced 18%. 									

Iy - S iona Field ALSO	Symt Symt Sizer Ser MEET	bol M e Ag vice	Mark gricu and PTO	aye	al Tr eed: SEPOV	racto s Up wer	DN Dr D Dr D D TO CAPA	rive 25 II CITY, 2		BL eel 1 ABLE	Tires	00 (L)	K BS.	@ P	51)
D ly - S iona Field Also	& Symk I Sizer Ser MEET		Mark gricu and PTO	ted iltura d Sp	A al Ti eed: sepoi	racto s Up wer	DN Dr Di Dr To CAPA	rive 25 I CITY, 2			Tires	(LI	BS.	@ P \$	51)
ly - \$ iona Field _{ALSO}	Symt I Sizo I Ser MEET	bol I e Ag vice TIRE	Mark gricu and pro	red Iltura d Sp HORS	al Ti eed: SEPO	racto s Up WER	or D o To CAPA	rive 25 ג כודץ, י		ABLE	Tires	ONTE	ENTS)	
iona Field _{ALSO}	I Siz I Ser MEET N	e Ag vice TIRE	gricu e and арто трто rim	Iltura d Sp HORS	al Ti eed: sepoi	racto s Up wer o	or D o To CAPA	<i>rive</i> 25 ת כודץ, י	Whe MPH SEE T		Tires OF C	ONTE	ENTS)	
ALSO	MEET N		PTO	HORS	SEPO	WER		23 I CITY, 3	SEE T			ONTE	ENTS)	
	N	lax	im		<u>ہ</u> د	no	۵d	2	5		ш			,	
					-		_	_ /		v 1					
n 6	7	8	9	10	12	14	16	18	20	22	24	26	28	30	35
h l								*			**			***	_
								143 A8			148 A8				
3080	3420	3740	3960	4180	4680	5080	5520	6000	6400	6600	6950				
2530	2800	3070	3250	3430	3840	4470	4060	4920	5250	5410	5700				_
	2m 6 0l 3080 2710 2530	n 6 7 ol 3080 3420 2710 3010 2530 2800	Image: None of the second se	Image: constraint of the state of	Image: Second state	Intel COAD LIMITS (LBS. on 6 7 8 9 10 12 ol	TIRE LOAD LIMITS (LBS.) AT VA on 6 7 8 9 10 12 14 ol 12 14 ol <	TIRE LOAD LIMITS (LBS.) AT VARIOUS n 6 7 8 9 10 12 14 16 ol <	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD on 6 7 8 9 10 12 14 16 18 ol	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLAT n 6 7 8 9 10 12 14 16 18 20 ol -<	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PR pn 6 7 8 9 10 12 14 16 18 20 22 ol </th <th>TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSUR on on 6 7 8 9 10 12 14 16 18 20 22 24 ol </th> <th>TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PS) on 6 7 8 9 10 12 14 16 18 20 22 24 26 ol <th< th=""><th>TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI) n 6 7 8 9 10 12 14 16 18 20 22 24 26 28 ol - - - <t< th=""><th>TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI) on 6 7 8 9 10 12 14 16 18 20 22 24 26 28 30 ol * ** * * * * * * * * * * * * * * * * * *<</th></t<></th></th<></th>	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSUR on on 6 7 8 9 10 12 14 16 18 20 22 24 ol	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PS) on 6 7 8 9 10 12 14 16 18 20 22 24 26 ol <th< th=""><th>TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI) n 6 7 8 9 10 12 14 16 18 20 22 24 26 28 ol - - - <t< th=""><th>TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI) on 6 7 8 9 10 12 14 16 18 20 22 24 26 28 30 ol * ** * * * * * * * * * * * * * * * * * *<</th></t<></th></th<>	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI) n 6 7 8 9 10 12 14 16 18 20 22 24 26 28 ol - - - <t< th=""><th>TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI) on 6 7 8 9 10 12 14 16 18 20 22 24 26 28 30 ol * ** * * * * * * * * * * * * * * * * * *<</th></t<>	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI) on 6 7 8 9 10 12 14 16 18 20 22 24 26 28 30 ol * ** * * * * * * * * * * * * * * * * * *<

PURI UNIVER	DUE				ŀ	Agric	cultu	ral 8	k Bic	ologi	ical_	Engi	neeri	ing
	F	rc	m:	Fire	stor	ne lo	bad/	infla	tion	tab	oles			
TABLE L Diagonal (Bia Service (Inclu	ns) Ply Agr ading Hills	ricultu side Co	ral Tracto mbines)	r Steerin	g Wheel Ti	res Used in	Field	Code No. F-1 F-2 F-3	TIRE T Agricultural Agricultural Industrial M	PE NOMENCL Tin Single Rib Tread Multiple-Rib Tread utiple-Rib Tread	ATURE e Type d ad			
Basic Tire Los MAXIMIMS	ad Ratings	for Tire 5 MPH	Selection (40 KM/H) — SPEE	D SYMBO	0T A 8								
		/ 1/11	(40 11/01/	TIR	E LOAD L	IMITS AT	VARIOUS (OLD INF	LATION P	RESSURES	5			-1
TIRE SIZE	psi kPa	24 170	28 190	32 220	36 250	40 280	44 300	48 330	52 360	56 390	60 410	64 440	68 470	
14L-16.1 SL	lbs.	2270	2540 (6)	2830	3000 (8)	3200	3420 (10)	3640	3860 (12)					
								NOTES: 1	: Figures in loads and	parenthese inflations a	s denote p re maximu	ly rating for m.	which bold f	face
Le la		<u>へい</u>					Į.						() and ()	