

# TABLE S1 – SMALLER-SIZE HIGH FLOTATION TIRES FOR AGRICULTURAL AND SKID STEER/MINI-LOADER SERVICE

| TIRE TYPE NOMENCLATURE |                   | MAX SPEED        |
|------------------------|-------------------|------------------|
| TRA                    | TIRE TYPE         | SPEED INDEX<br>B |
| HF-1                   | Shallow Tread     | 30 mph           |
| HF-2                   | Regular Lug Tread | 30 mph           |
| HF-3                   | Deep Lug Tread    | 30 mph           |

## BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

| TIRE SIZE                      | INFLATION |                 | LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES |                 |      |      |                 |      |      |                  |                                |
|--------------------------------|-----------|-----------------|---|-----------------|------|------|-----------------|------|------|------------------|--------------------------------|
|                                | psi       | 20              | 25  | 30              | 35   | 40   | 45              | 50   | 55   | 60               |                                |
|                                | kPa       | 140             | 170   | 210             | 240  | 280  | 310             | 340  | 380  | 410              |                                |
| 27x8.50-15 NHS<br>(215/70D15)  | lbs       | 965             | 1100  | <b>1230 (4)</b> | 1320 | 1430 | <b>1570 (6)</b> | 1650 | 1760 | <b>1820 (8)</b>  |                                |
|                                | kg        | 437             | 500   | <b>560 (4)</b>  | 600  | 650  | <b>710 (6)</b>  | 750  | 800  | <b>825 (8)</b>   |                                |
| 27x9.50-15 NHS                 | lbs       | 990             | 1140  | <b>1280 (4)</b> | 1390 | 1480 | <b>1610 (6)</b> | 1710 | 1820 | <b>1870 (8)</b>  |                                |
|                                | kg        | 450             | 515   | <b>580 (4)</b>  | 630  | 670  | <b>730 (6)</b>  | 775  | 825  | <b>850 (8)</b>   |                                |
| 27x10.50-15 NHS<br>(260/65D15) | lbs       | 1020            | 1170  | 1320            | 1430 | 1520 | <b>1650 (6)</b> | 1760 | 1870 | <b>1970 (8)</b>  |                                |
|                                | kg        | 460             | 530   | 600             | 650  | 690  | <b>750 (6)</b>  | 800  | 850  | <b>895 (8)</b>   |                                |
| 29x12.00-15 NH                 | lbs       | <b>1320 (4)</b> |   | <b>1710 (6)</b> |      |      |                 |      |      |                  |                                |
|                                | kg        | <b>600 (4)</b>  |   | <b>775 (6)</b>  |      |      |                 |      |      |                  |                                |
| 31x13.50-15 NHS                | lbs       | <b>1650 (4)</b> | 1870  | <b>2090 (6)</b> | 2270 | 2470 | <b>2600 (8)</b> | 2760 | 2910 | <b>3080 (10)</b> | <b>3520 lbs. @ 75 psi (12)</b> |
|                                | kg        | <b>750 (4)</b>  | 850   | <b>950 (6)</b>  | 1030 | 1120 | <b>1180 (8)</b> | 1250 | 1320 | <b>1400 (10)</b> | <b>1600 kg @ 520 kPa (12)</b>  |
| 31x15.50 NHS<br>(390/60D15)    | lbs       | <b>1710 (4)</b> | 1930  | <b>2105 (6)</b> | 2340 | 2540 | <b>2760 (8)</b> |      |      |                  |                                |
|                                | kg        | <b>775 (4)</b>  | 875   | <b>975 (6)</b>  | 1060 | 1150 | <b>1250 (8)</b> |      |      |                  |                                |

### NOTES:

- Figures in parentheses denote ply rating for which boldface loads and inflations are maximum.
- For operations at other speeds, including skid steer/mini-loader service, the loads in the table may be changed as shown below with no change in inflation pressure:

| MAX. SPEED         | % CHANGE IN LOADS IN ABOVE TABLE |
|--------------------|----------------------------------|
| Stationary         | +58%                             |
| 5 mph (10 km/h)    | No Change                        |
| 10 mph (15 km/h)   | -21%                             |
| 12.5 mph (20 km/h) | -24%                             |
| 30 mph (50 km/h)   | -37%                             |

\* Creep speed is a travel speed of not more than 200 feet (61 meters) in a 30-minute period.

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