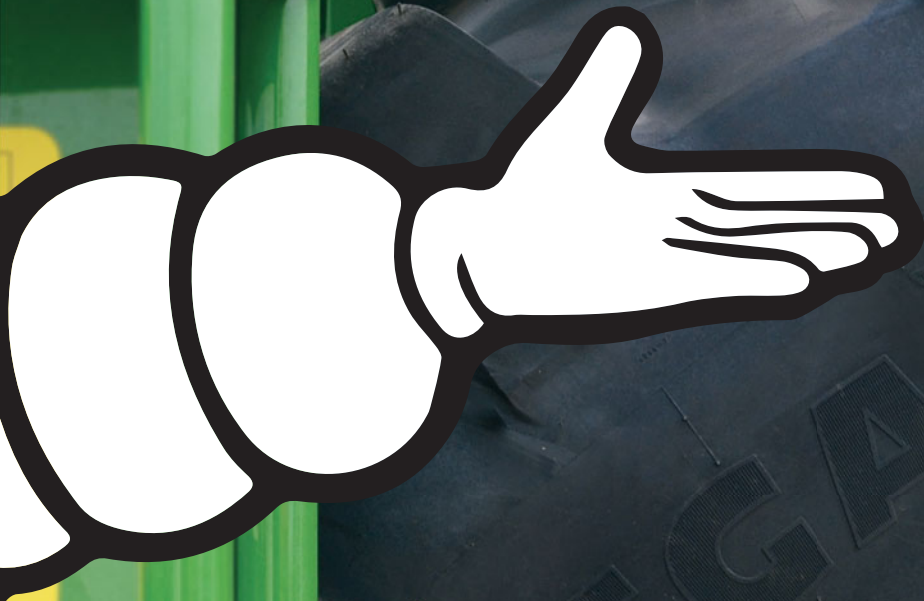


# **MICHELIN® AGRICULTURE HARVESTER SOLUTIONS**



# THE MICHELIN ADVANTAGE

No matter the season or soil condition, Michelin® ag tires are uniquely designed to excel throughout the entire year.

- The **expanded footprint** gives **more contact** on the ground and **less soil compaction**.
- The unique vertical lug design maintains traction with wear.

The **45° lug angle** provides self-cleaning for **superior traction**.



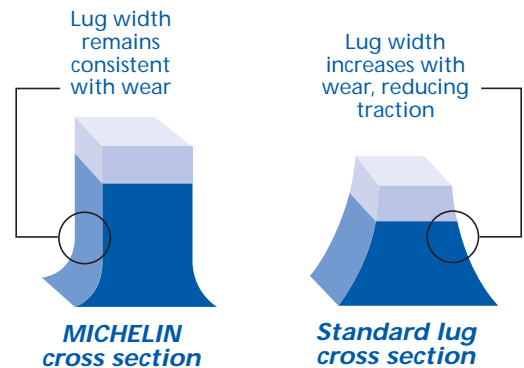
## LONGER TIRE LIFE

Michelin's exclusive rubber compounds and industry-exclusive deep, vertical lug design not only last longer, but also wear more evenly, resulting in superior traction throughout the life of the tire.

### RESULTS

- Lower cost per hour than the competition.
- More stubble resistant.
- Michelin R-1W gives you 33 percent more usable tread than competitor R-1 tire.

*Deep, sharp, vertical lug profile gives Michelin more-uniform tread wear for superior traction over the tire's life.*

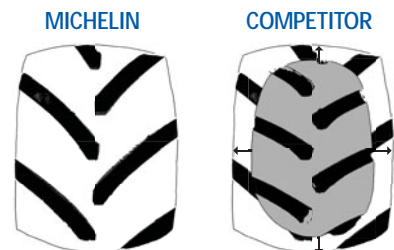


## LESS SOIL COMPACTION

MICHELIN® ag tires are made with more-flexible sidewalls and a flat crown that delivers a longer footprint that more evenly distributes machine weight, putting less pressure on the ground. Less pressure on the ground means less soil compaction, which means increased yield.

### RESULTS\*

- Rut depth 55 percent more shallow than a competitor tire.
- Surface area 15 percent larger than a competitor tire\*\* (see illustration at right).
- Soil compaction nearly 20 percent less than a competitor tire.



\*\* Tire imprint comparison of Michelin vs. competitor. 15% larger surface area with Michelin tires.

\*When compared with a competitor tire.

# THE MICHELIN ADVANTAGE

## FUEL SAVINGS

Michelin's unique tire design (45-degree lug angle, vertical lug and flexible sidewalls) allows for superior traction in almost all weather conditions, which minimizes slippage and can result in greater fuel savings.

### RESULTS

- Less slippage maximizes equipment productivity.
- More-efficient use of horsepower increases fuel economy.

## STUBBLE RESISTANT



Michelin R&D teams invest significant time and resources designing tires for superior stubble resistance. The results are the innovative solutions for stubble resistance found in MICHELIN® Stubble shield™, including specialized rubber compounds and the anti-stubble reinforcement in the tread area of the new MICHELIN® YieldBib™ radial. To further guarantee your confidence in the superior stubble resistance of the MICHELIN® Stubble shield™, we offer a two-year free replacement Stubble Damage Warranty on the MICHELIN® YieldBib™ line.

### RESULTS

- Specially designed rubber compounds and tread design for increased durability in severe stubble conditions.



Side-by-side comparison of Michelin and competitor tire showcasing the **stubble resistance** of the MICHELIN® YieldBib™ tire.\*

\* MICHELIN® YieldBib™ and Competitor Brand Tire research conducted in North Platte, NE. Each tire had 274.5 hours.

## INNOVATIVE SOLUTIONS

Michelin Ultraflex Technologies deliver greater casing flexibility, resulting in increased durability, a longer footprint and reduced soil compaction. Michelin Ultraflex Technology tires can carry the same loads at up to 20 percent less air pressure (IF rated tires) or the same loads at up to 40 percent less air pressure (VF rated tires). Michelin was the pioneer in IF and VF technology in the North American tire market. Our innovations deliver results for your operation, resulting in better care for your soil, less downtime and improved yields.

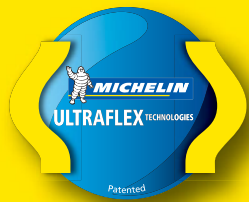


Note: Reduction in air pressure recommendation or increase in load size compared with standard radial tire technology.



## WHAT ARE MICHELIN ULTRAFLEX TECHNOLOGIES?

Michelin Ultraflex Technologies refers to the IF (Increased Flexion) and VF (Very High Flexion) designations on select Michelin tread designs. IF and VF tires offer an increase in capacity and decrease in pressure versus the standard radial tire. This increase in capacity is attained by an enhancement in sidewall design that creates a larger area of flexion, or flex. The increase in flexion creates a larger footprint for a dramatic increase in traction and capacity all while decreasing soil compaction.



**IF**

**Increased Flexion (IF)** tires allow for up to a **+20 percent** increase in load capacity vs. a standard tire or up to **-20 percent** air pressure required to carry the same load as a standard tire.



**VF**

**Very High Flexion (VF)** tires allow for up to a **+40 percent** increase in load capacity vs. a standard tire or up to **-40 percent** air pressure required to carry the same load as a standard tire.



*IF and VF Technology tires are able to reduce compaction and increase traction in the same way snowshoes perform in the snow. They spread your body weight over a larger area, which lowers your pounds per square inch on the ground. Michelin Ultraflex Technologies do the same thing for your tractor.*

## MICHELIN® CEREXBIB™ 2

### OUTSTANDING PRODUCTIVITY AND SOIL PROTECTION

#### LOW PRESSURES FOR LESS SOIL COMPACTION

- CFO+ designation - carry more load at 6 mph cyclic in the field.
- Up to 45% less pressure vs standard radial tires.<sup>1</sup>
- Proven yield increase of 4% using Michelin Ultraflex tires.<sup>2</sup>

#### TRACTION

- Excellent traction and flotation.
- Flexible sidewall delivers larger footprint for larger contact patch with the soil.



#### STEEL CROWN BELTS

- Great stability.
- Excellent puncture resistance and optimized load distribution.

#### PRODUCTIVITY

- Huge Load Carrying Capacity – up to 40% more load capacity versus standard radial tires.
- High flotation for traction in all conditions and reduced slip.



| Size              | I.S.O. Index | Product Code | Equivalent Size | Max Inflation Pressure (psi) Harvest Operation | Max Load | Section Width (in) | Overall Dia. (in) | Rolling Circum. (in) | RCI | Tread Depth (32nds) |
|-------------------|--------------|--------------|-----------------|--|----------|--------------------|-------------------|----------------------|-----|---------------------|
| VF 520/80R26 CFO+ | 168A8        | 24394        | 41              | 17,800   | 19.8     | 58.7               | 173.2             | –                    | 56  | 56                  |
| VF 620/70R26 CFO+ | 173A8        | 98039        | 41              | 20,990   | 23.9     | 59.6               | 175.6             | 42                   | 57  | 57                  |
| VF 750/65R26 CFO+ | 180A8        | 33777        | 41              | 25,860   | 29.4     | 63.8               | 188.4             | –                    | 61  | 61                  |
| VF 520/85R30 CFO+ | 172A8        | 86907        | 41              | 20,425   | 20.6     | 63.9               | 188.9             | 46                   | 58  | 54                  |
| VF 620/70R30 CFO+ | 175A8        | 53106        | 41              | 22,485   | 23.9     | 63.6               | 187.6             | –                    | 54  | 58                  |
| VF 710/65R30 CFO+ | 179A8        | 22560        | 41              | 25,110   | 27.3     | 66                 | 195               | –                    | 58  | 72                  |
| IF 800/65R32 CFO+ | 181A8        | 25367        | 41              | 30,920   | 30.4     | 73                 | 216.6             | 46                   | 72  | 74                  |
| IF 800/70R32 CFO+ | 185A8        | 71535        | 41              | 34,670   | 31.3     | 76.8               | 228.3             | –                    | 69  | 69                  |
| VF 900/60R32 CFO+ | 191A8        | 73624        | 41              | 34,670   | 33.7     | 75                 | 221.2             | –                    | 73  | 58                  |
| VF 500/85R34 CFO+ | 172A8        | 29877        | 41              | 19,865   | 19.6     | 66                 | 195.3             | –                    | 58  | 74                  |
| IF 680/80R38 CFO+ | 182A8        | 20691        | 41              | 31,855   | 25.4     | 79.5               | 237.4             | –                    | 74  | 73                  |
| VF 900/60R38 CFO+ | 193A8        | 31193        | 41              | 37,480   | 34.6     | 79.9               | 235.9             | 48                   | 73  | –                   |
| IF 800/70R38 CFO+ | 187A8        | 25474        | 41              | 36,540   | 31.1     | 80.7               | 239.3             | –                    | 72  | –                   |
| VF 520/85R42 CFO+ | 177A8        | 15337        | 41              | 20,780   | 21.3     | 76.9               | 228.6             | 47                   | 69  | 73                  |
| VF 580/80R42 CFO+ | 183A8        | 45547        | 41              | 28,110   | 22.8     | 80.3               | 237.8             | –                    | 73  | 79                  |
| VF 710/70R42 CFO+ | 188A8        | 60118        | 41              | 31,855   | 27.8     | 82.6               | 244.4             | –                    | 81  | 72                  |
| IF 800/70R42 CFO+ | 1889A8       | 91180        | 41              | 38,605   | 30.3     | 83.4               | 251.5             | –                    | 73  | 71                  |
| VF 900/60R42 CFO+ | 195A8        | 03717        | 41              | 38,605   | 33.2     | 83.4               | 247.3             | –                    | 74  | 81                  |

(1) For 26,200 lbs, compared to a 900/60R32 Michelin Megaxbib standard radial.  
(2) Harper Adams University 2014/2016.



#### SOIL PROTECTION:

*“With regular standard tires, we had grooves, and sometimes erosion down the bean rows. Our MICHELIN® tires actually float over the rows – very low compaction that way.”*

Arlyn Schipper ■ Conrad, Iowa

**MICHELIN® CEREXBIB™**

**HIGH LOAD CAPACITY AT LOW PRESSURE FOR  
LARGE HARVESTING MACHINERY**

**LARGE LOAD CAPACITY**

- Up to 40% more load capacity.<sup>2</sup>
- CFO rated for high capacity in cyclic operation.

**TRACTION**

- Excellent traction on slopes and the ability to work on wet ground.
- +25% 3 bigger footprint.

**LOW PRESSURE, MORE YIELD**

- Proven Yield Gains of +4% using Ultraflex tires.<sup>1</sup>

- Flexible sidewall for larger footprint and lower soil compaction.
- 20-40% less air pressure versus standard radial.

**STEEL CROWN BELTS**

- Great stability.
- Excellent puncture resistance and optimized load distribution.
- Revolutionary strong but flexible casing gives excellent service life.



| Size                   | I.S.O. Index | Product Code | Equivalent Size | Max Inflation Pressure (psi) Harvest Operation | Max Load | Section Width (in) | Overall Dia. (in) | Rolling Circum. (in) | RCI | Tread Depth (32nds) |
|------------------------|--------------|--------------|-----------------|--|----------|--------------------|-------------------|----------------------|-----|---------------------|
| VF 520/80R26 CFO       | 168A8        | 61911        | -               | 41   | 16,425   | 19.8               | 58.7              | 173.1                | -   | 56                  |
| VF 620/70R26 CFO       | 173A8        | 64298        | -               | 41   | 19,070   | 23.9               | 59.6              | 175.5                | 42  | 57                  |
| VF 750/65R26 CFO       | 177A8        | 02320        | -               | 35   | 21,405   | 29.3               | 63.9              | 188.2                | -   | 61                  |
| VF 520/85R30 CFO       | 172A8        | 66188        | -               | 41   | 18,475   | 20.6               | 63.9              | 188.7                | 46  | 58                  |
| VF 620/70R30 CFO NEW!  | 172A8        | 92780        | -               | 35   | 18,475   | 23.5               | 63.6              | 187.4                | -   | 54                  |
| IF 680/85R32 CFO       | 179A8        | 18128        | -               | 35   | 26,490   | 26.9               | 76.2              | 224.8                | 47  | 58                  |
| IF 800/65R32 CFO       | 178A8        | 39571        | 30.5-32         | 35   | 25,630   | 30.2               | 73                | 216.3                | 46  | 72                  |
| IF 800/70R32 CFO       | 182A8        | 18258        | -               | 35   | 29,045   | 30.9               | 77.1              | 227.9                | -   | 69                  |
| IF 900/60R32 CFO       | 185A8        | 03456        | -               | 41   | 31,615   | 33.7               | 75                | 222.2                | -   | 73                  |
| IF 1000/55R32 CFO NEW! | 188A8        | 22858        | -               | 41   | 34,170   | 40.9               | 76                | 226.7                | -   | 74                  |
| IF 600/75R38 CFO NEW!  | 188A8        | 02720        | -               | 41   | 27,335   | 26.1               | 77.4              | 229.3                | -   | 74                  |
| IF 800/70R38 CFO       | 187A8        | 24897        | -               | 41   | 33,310   | 31.1               | 80.7              | 239.3                | 48  | 72                  |
| IF 900/60R38 CFO       | 188A8        | 03936        | -               | 41   | 34,170   | 34.6               | 79.9              | 236.9                | 48  | 73                  |
| VF 520/85R42 CFO       | 174A8        | 78620        | 20.8R42         | 41   | 18,950   | 20.9               | 76.8              | 227.8                | 47  | 69                  |
| IF 710/70R42 CFO       | 182A8        | 61530        | -               | 41   | 29,045   | 28.1               | 81.8              | 243                  | 48  | 81                  |

Note: All of the above tires are tubeless but can be mounted with a tube.  
 (1) Harper Adams University 2014/2016.  
 (2) Internal test 2013-2015.

**WEAR/DURABILITY:**

*"By the end of one season with (other brand) tires, the cords were showing from stubble damage. With the same setup, but using MICHELIN® radials, we are experiencing hardly any stubble damage at all."*

Chris Bender ■ Poseyville, Indiana



**MICHELIN® MACHXBIB™ / X28™ LARGE VOLUME  
HIGH FLOTATION R1W RADIAL WITH HUGE LOAD CARRYING CAPACITY**

**ROBUST PERFORMANCE**

- Proven casing design.
- A flat stable tread to spread very heavy loads evenly across the footprint.

**FUEL SAVINGS**

- 4% fuel savings, 0.26 Gallon (US)/hr compared to the main market competitor (for a consumption on the road of 6.6 Gallon (US)/hr).<sup>1</sup>

**VERSATILITY**

- Ideal for road transport: high speed rated with large lugs for long service life and low-rolling resistance rubber mix for fuel efficiency.

- Efficient in the field to transfer the torque of highpowered tractors to the ground.

**EXCEPTIONAL COMFORT AND HANDLING**

- The swept back 15° lug design delivers an exceptionally smooth ride on the road up to 40mph.<sup>2</sup>
- Ideal for transporting heavy loads.



Combines

| Size                      | I.S.O. Index | Product Code | Max Inflation Pressure (psi) | Max Load | Section Width (in) | Overall Dia. (in) | Rolling Circum. (in) | RCI | Tread Depth (32nds) |
|---------------------------|--------------|--------------|------------------------------|----------|--------------------|-------------------|----------------------|-----|---------------------|
| <b>MACHXBIB®</b>          |              |              |                              |          |                    |                   |                      |     |                     |
| 680/75R32 NEW!            | 164A8/161B   | 80305        | 28                           | 16,535   | 26.6               | 73.4              | 217                  | -   | 73                  |
| 650/75R38                 | 169A8/169B   | 86829        | 41                           | 19,180   | 26.2               | 76.7              | 226.8                | 47  | 77                  |
| 650/85R38                 | 173A8/173B   | 89462        | 41                           | 21,495   | 27                 | 81.2              | 239.8                | 48  | 81                  |
| <b>XM28™ LARGE VOLUME</b> |              |              |                              |          |                    |                   |                      |     |                     |
| 680/75R32                 | 164A8/161B   | 80305        | 28                           | 16,535   | 26.6               | 73.4              | 217                  | 46  | 73                  |

((1) When authorized by the laws in force in the country – depending on the size.  
(2) Analytic test on MICHELIN tracks Ladoux Centre.



**SOIL COMPACTION DEMONSTRATION**

Michelin constructed a compaction ramp at the Farm Progress Show to demonstrate the effect tire choice can have on compaction. The left side of the combine (as pictured) was equipped with Michelin 650/85R38 MachXBibs, while the right side was equipped with Michelin 520/85R42 MegaXBibs. The reason the 650's decreased compaction by over 25% is due to a larger footprint and lower pressure required to carry the load of a loaded combine.



## MICHELIN® MEGAXBIB™ 2

**EXCELLENT SOLUTION FOR HARVESTERS, FLOATERS AND HEAVY EQUIPMENT, NOW WITH STUBBLE SHIELD TECHNOLOGY**

### ROBUST AND STUBBLE RESISTANT

- Reinforced carcass designed for a long tire life.

### MEGAXBIB RANGE BENEFITS

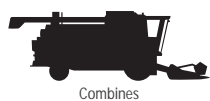
- Excellent road handling, and high load / speed capacities.

### STEEL CROWN BELTS

- Great stability, excellent puncture resistance and optimized load distribution.

### MICHELIN STUBBLE SHIELD

- Now with Stubble Shield Technology to fight stubble damage.



Combines



| Size       | I.S.O. Index | Product Code | Max Inflation Pressure (psi) 6 mph Cyclic | Max Load | Section Width (in) | Overall Dia. (in) | Rolling Circum. (in) | RCI | Tread Depth (32nds) |
|------------|--------------|--------------|---|----------|--------------------|-------------------|----------------------|-----|---------------------|
| 1000/50R25 | 172A8/166D   | 76362        | 41  | 23,610   | 40.7               | 65.1              | 193.2                | -   | 58                  |
| 750/50R26  | 160A8/154D   | 81321        | 46  | 16,865   | 29.2               | 55.4              | 164.2                | 41  | 58                  |
| 800/65R32  | 178A8/178B   | 87958        | 56  | 28,110   | 31                 | 72                | 215.4                | 46  | 58                  |
| 900/60R32  | 181A8/181B   | 04361        | 56  | 30,920   | 34                 | 74                | 221.9                | 46  | 76                  |
| 1050/50R32 | 178A8/172D   | 12011        | 41  | 28,110   | 40.8               | 73.5              | 218                  | 46  | 71                  |



**TRACTION/SMOOTH RIDE:**  
*"MICHELIN® tires have a really aggressive grip in the field and great tread pattern. The durability is unmatched by other tire brands."*

Joseph Zumwalt ■ Warsaw, Illinois



**MICHELIN® MEGAXBIB™**

**EXCELLENT SOLUTION FOR HARVESTERS AND HEAVY EQUIPMENT**

**LOAD CAPACITY**

- Up to 67,460 lbs per axle.<sup>4</sup>

**ENDURANCE**

- Up to +46% vs main competitor.<sup>5</sup>

**COMFORT**

- Flexible sidewalls for a smooth, comfortable ride.

**STEEL CROWN BELTS**

- Great stability.
- Excellent puncture resistance and optimized load distribution.



Combines

| Size                 | I.S.O. Index | Product Code | Equivalent Size | Max Inflation Pressure (psi) 6 mph Cyclic | Max Load | Section Width (in) | Overall Dia. (in) | Rolling Circum. (in) | RCI | Tread Depth (32nds) |
|----------------------|--------------|--------------|-----------------|---|----------|--------------------|-------------------|----------------------|-----|---------------------|
| 620/75R26            | 166A8/166B   | 89936        | 23.1-26         | 55  | 19,865   | 23.1               | 63.1              | 186.9                | 43  | 58                  |
| 750/65R26            | 171A8/171B   | 36798        | 28I-26          | 55  | 23,050   | 28.8               | 63.8              | 189.7                | -   | 58                  |
| 620/75R30            | 168A8/168B   | 63928        | 23.1-30         | 55  | 20,990   | 23.8               | 67.3              | 200.1                | 44  | 58                  |
| 650/75R32            | 172A8/172B   | 46686        | 24.5R-32        | 55  | 23,610   | 25.9               | 71.9              | 213.5                | 45  | 74                  |
| 800/65R32            | 178A8/178B   | 49342        | 30.5LR32        | 55  | 28,110   | 31.2               | 72.4              | 214.9                | 46  | 71                  |
| 800/70R32            | 181A8/181B   | 68880        | -               | 55  | 30,920   | 31.2               | 76.2              | 225.4                | -   | 73                  |
| 900/60R32            | 181A8/181B   | 40581        | -               | 55  | 30,920   | 34.2               | 74.6              | 221.5                | 46  | 71                  |
| 1050/50R32 M28 (1,2) | 178A8        | 94737        | 73x44.00-32     | 41 (3)                                    | 28,110   | 40.9               | 74.9              | 222.4                | 46  | 76                  |
| 620/75R34            | 170A8/170B   | 83734        | 23.1-34         | 55  | 22,485   | 23.2               | 71.4              | 212.5                | -   | 58                  |
| 710/75R34            | 178A8/178B   | 13589        | -               | 55  | 28,110   | 27.2               | 74.8              | 221.9                | 47  | 73                  |
| 620/70R38            | 170A8/170B   | 99512        | -               | 55  | 22,485   | 23.9               | 73.4              | 218.8                | 46  | 69                  |
| 520/85R42            | 162A8/162B   | 15488        | 20.8R42         | 39  | 15,665   | 21.1               | 76.3              | 227.7                | 47  | 71                  |
| 620/70R42            | 166A8/166B   | 15145        | 20.8R42         | 41  | 17,485   | 25.2               | 77.2              | 230.6                | 47  | 71                  |

Note: All of the above tires are tubeless but can be mounted with a tube.  
 Note: Tires approved for Floaters must only be roaded with the machine EMPTY and at no more than 65 km/h.  
 (1) The MegaXbib M28 is designed for use on harvesting machines. Deep Tread.  
 (2) Not recommended for use on high-speed applicators like Floaters.  
 (3) 10 mph cyclic  
 (4) 1050/50 R32 184A8/184B - 6 mph cyc.  
 (5) Internal test (Ladoux - France) study on 800/65R32 178A8/178B.



**WEAR/DURABILITY:**

*“My MICHELIN® tires have great wear resistance. I expect my Michelin tires to last at least three times as long as competitor tires that I used to have.”*

Mike Holman ■ Union City, Tennessee



Customer: \_\_\_\_\_ Phone: \_\_\_\_\_ Date: \_\_\_\_\_  
 Combine Make & Model: \_\_\_\_\_ Max Road Speed: \_\_\_\_\_ Max Field Speed: \_\_\_\_\_  
 Front Tire Size, Brand & Design: \_\_\_\_\_ Dual or Single? \_\_\_\_\_  
 Rear Tire Size, Brand & Design: \_\_\_\_\_

**PROCEDURE TO OBTAIN LOADS & PRESSURE RECOMMENDATIONS**

- 1. Determine empty front and rear axle weights without the head installed. The recommended method is to weigh each axle of the machine separately. When actually weighing the machine is not possible, use the shipping weight of the machine from the owner's manual. Without the head attached, approximately 75% of the shipping weight will be on the front axle and 25% will be on the rear axle.**

Use the attached diagram to record empty axle weights.

$$W_{FA} = \text{Machine shipping weight (without head)} \quad \boxed{\phantom{000}} \text{ lbs} \times 0.75 = W_{FA} \quad \boxed{\phantom{000}} \text{ lbs}$$

$$W_{FA} = \text{Machine shipping weight (without head)} \quad \boxed{\phantom{000}} \text{ lbs} \times 0.75 = W_{FA} \quad \boxed{\phantom{000}} \text{ lbs}$$

- 2. Using the attached diagram, record the weight of the heaviest head to be used with this machine. Normally this weight can be found in the owner's manual of the head in question.**

- 3. Determine the max load to be carried in the grain storage on the combine while harvesting. Calculate by multiplying the weight per bushel of the heaviest grain to be harvested by the max grain storage volume on the combine. Record this value on attached diagram.**

$$W_G = \text{Heaviest grain weight} \quad \boxed{\phantom{000}} \text{ lbs/bu} \times V_G \quad \boxed{\phantom{000}} \text{ bu} = \boxed{\phantom{000}} \text{ lbs}$$

- 4. Using the diagram, record the following dimensions from the combine with the head attached:**

**wb** = wheel base = distance from centerline of front axle to centerline of rear axle

**d1** = distance from head center of gravity to the centerline of the front axle

**d2** = distance from grain storage center of gravity to the centerline of the front axle

- 5. Calculate weight shift from the rear axle to the front axle as a result of installing the head.**

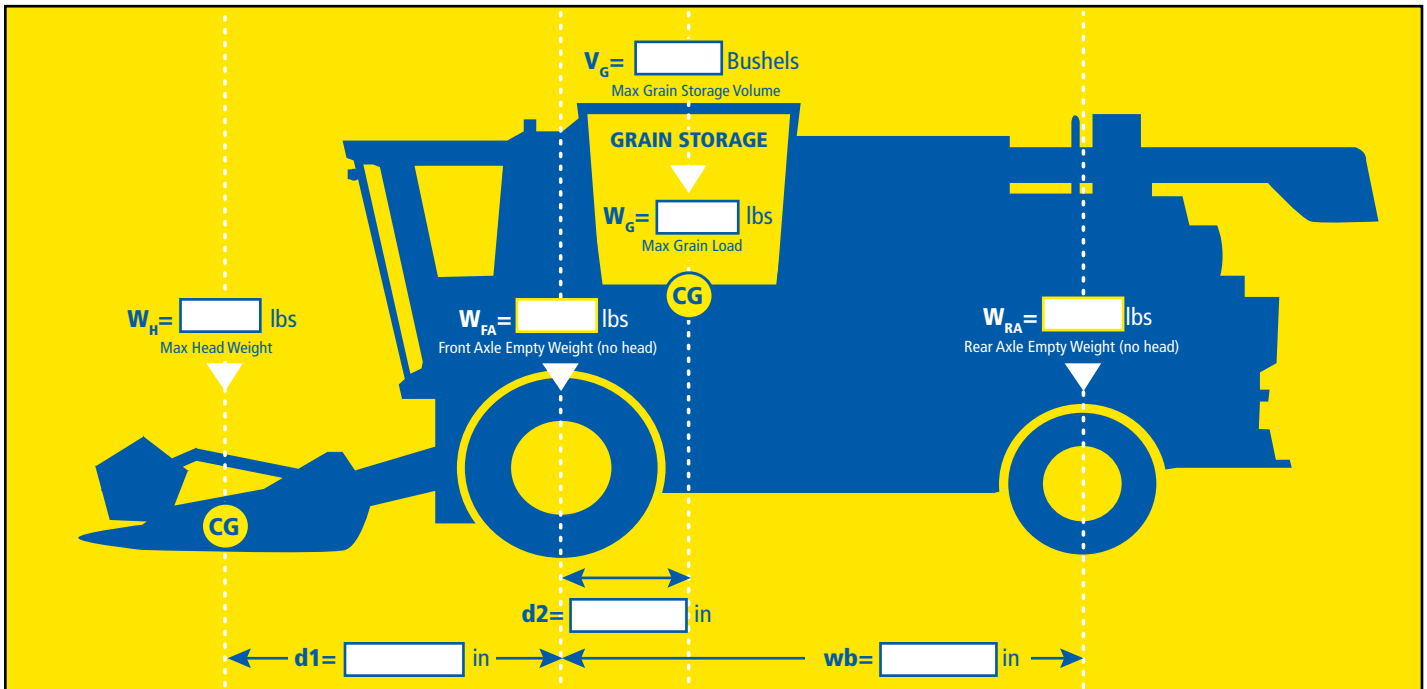
$$\text{Weight shift to front axle due to installing head} = W_H \quad \boxed{\phantom{000}} \text{ lbs} \times \frac{d1 \quad \boxed{\phantom{000}} \text{ in}}{wb \quad \boxed{\phantom{000}} \text{ in}} = WS_{\text{head}} \quad \boxed{\phantom{000}} \text{ lbs}$$

- 6. Calculate weight added to the front axle when the grain storage is filled to max capacity.**

$$\text{Grain weight to front axle} = W_G \quad \boxed{\phantom{000}} \text{ lbs} \times \frac{(wb \quad \boxed{\phantom{000}} \text{ in} - d2 \quad \boxed{\phantom{000}} \text{ in})}{wb \quad \boxed{\phantom{000}} \text{ in}} = WG_{\text{front}} \quad \boxed{\phantom{000}} \text{ lbs}$$

- 7. Calculate weight added to the rear axle when the grain storage is filled to max capacity.**

$$\text{Grain weight to rear axle} = W_G \quad \boxed{\phantom{000}} \text{ lbs} \times \frac{d2 \quad \boxed{\phantom{000}} \text{ in}}{wb \quad \boxed{\phantom{000}} \text{ in}} = WG_{\text{rear}} \quad \boxed{\phantom{000}} \text{ lbs}$$



**8. Calculate max cyclic load per tire & required inflation pressure for each axle under field conditions.**

|   |   |                                   |   |                                  |
|---|---|-----------------------------------|---|----------------------------------|
| Empty Axle Weight                             | + | <b>W<sub>FA</sub></b> [ ] lbs     | + | <b>W<sub>RA</sub></b> [ ] lbs    |
| Head Weight                                   | + | <b>W<sub>H</sub></b> [ ] lbs      |   |                                  |
| Weight Shift Due to Head                      | + | <b>WS<sub>head</sub></b> [ ] lbs  | - | <b>WS<sub>head</sub></b> [ ] lbs |
| Max Grain Weight per Axle                     | + | <b>WG<sub>front</sub></b> [ ] lbs | + | <b>WG<sub>rear</sub></b> [ ] lbs |
| Max Cyclic Load per Axle                      |   | [ ] lbs                           |   | [ ] lbs                          |
| Max Cyclic Load per Tire                      |   | [ ] lbs                           |   | [ ] lbs                          |
| Equiv. Load per Tire (if dual)                |   | [ ] lbs                           |   | [ ] lbs                          |
| Inflation Pressure Required @ Max Field Speed |   | [ ] psi                           |   | [ ] psi                          |

**9. Calculate max load per tire & required inflation pressure for each axle under roading conditions.**

|   |   |                                  |   |                               |
|---|---|----------------------------------|---|-------------------------------|
| Empty Axle Weight                             | + | <b>W<sub>FA</sub></b> [ ] lbs    | + | <b>W<sub>RA</sub></b> [ ] lbs |
| Head Weight                                   | + | <b>W<sub>H</sub></b> [ ] lbs     |   |                               |
| Weight Shift due to Head                      | + | <b>WS<sub>head</sub></b> [ ] lbs |   |                               |
| Max Road Load per Axle                        |   | [ ] lbs                          |   | [ ] lbs                       |
| Max Road Load per Tire                        |   | [ ] lbs                          |   | [ ] lbs                       |
| Equiv. Load per Tire (if dual)                |   | [ ] lbs                          |   | [ ] lbs                       |
| Inflation Pressure Required @ Max Field Speed |   | [ ] psi                          |   | [ ] psi                       |

**10. Determine the final pressure recommendation for each axle by selecting the highest pressure per tire calculated in steps 9 or 10 above.**

Inflation Pressure Recommended [ ] psi [ ] psi

# MICHELIN® AGRICULTURE HARVESTER SOLUTIONS



## UNITED STATES

Michelin North America, Inc.  
P.O. Box 19001  
Greenville, SC 29602-9001  
Consumer relations: 1-888-552-1213  
Fax: 1-864-458-6650  
Customer service: 1-800-359-6450  
Fax: 1-877-423-2987

## CANADA

Michelin North America (Canada), Inc.  
2500 Daniel Johnson Boul., Suite 500  
Laval, Quebec, Canada H7T 2P6  
Telephone: 1-877-838-8473 (English)  
Telephone: 1-888-707-7638 (French)  
Fax: 1-800-361-6937

 [MichelinAg.com](http://MichelinAg.com)

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