



TYRES FOR AUSTRALIAN FARMS

# PRE-SEASON CHECKLIST



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# AGRICULTURAL TYRE PERFORMANCE

## GET PRESSURE READY

Caring and maintaining agricultural machinery is essential to maximising its running potential, ensuring lifetime is maximised and unscheduled downtime is minimised.

A critical part of the maintenance plan are your tyres. It's the tyre that is in contact with the soil and it's the tyres that carry the load. Proactive maintenance is key to ensuring down time is limited to rare and unpreventable occurrences.

### When was the last time you checked your tyres and developed a pressure plan?

No matter what the season - the reason to get up close to your tyres is simple: To ensure they will support you and your workload for the job ahead.

## CORRECT PRESSURE FIT FOR PURPOSE

**INCREASES** Tyre life, efficiency in use and ultimately maximises return on investment

**DECREASES** Tyre wear, risk of unplanned downtime, soil compaction

**This checklist applies to all agricultural equipment including:**

• Grain Bin • Tractor • Implement • Harvester • Sprayer • Spreader

## CHECK THE BOXES AS YOU GO

The Job:	What to look for:	Tips & specifics:
<b>Create Your Tyre Pressure Plan</b>  <i>Air carries the load</i>	1. HAVE A TYRE PRESSURE PLAN THAT IS FIT FOR PURPOSE	Don't under estimate the value of a personalised Tyre Pressure Plan. Tyre pressures need to be optimised individually taking into account your planned season usage parameters. This may well be different from season to season. Varied conditions to consider include temperature, hours worked, load, speed and soil type.  We strongly recommend a tyre pressure plan be tailored to your application and be revisited regularly handling and performance feedback from the last season. It is logical that tyres perform best when selected and run fit for purpose. If you're not confident performing your own inspection - ask a professional.
<b>Visual Inspection</b>	2. Cracks	If you are not sure if a crack is likely to become an issue in the short term consult an expert. Take a high resolution photo and send it to your local Harvest Agricultural Tyre dealer who can assess the tyre wear from their experienced perspective. Take a photo showing the wear from all angles and communicate its application & years/hours in use. Take a photo from each relevant direction so that its depth, position and application context are clearly visible.

The Job:	What to look for:	Tips & specifics:
	3. Signs of deflation	Deflation can occur at any time and its best to pick it up before you're mid job. Must be checked cold. Look for uneven wear and remember that tyre pressure is a function of the job to be done. Air carries the load - and if you don't run the right pressures you won't get the best life from your tyres. (See: <i>Create your Tyre pressure plan</i> )
	4. Signs of wear	Is the wear rate consistent with the tyres usage application and its years in service?  This inspection should be done within context of the tyres age. Good quality agricultural tyres when run at the right pressure plan for the application will last for multiple seasons and wear according to an a logical and expected wear pattern. Look for wear that is inconsistent with use or signalling in conjunction with the tyres commissioning date that it just might be time for a new tyre! Are you aware of what to look for? If not get help from an expert. Your local Harvest Authorised Dealer can put you in contact with us and we can offer general advice on tyres and specialist precise advice on our own tyres.
	5. Damage to sidewalls	Looking for cuts, cracks, side wall bubbles - signs of damage that may have occurred.
	6. Check the tread	Looking for significant stubble damage, exposed interior components or any sign that the tread is telling you the tyre has done its maximum hours in service. Check your contact area and ensure there is no significant space between lugs and the ground.
	7. Check tread depth - or in case of ag tyres check the condition of the tread	Remember that most tyre failures occur from the inside and may not be visible.
	8. Check the valve stems	Looking for rust/corrosion, cracks & dirt. Are the valve caps present where applicable?
	9. Check the Fitting	Are the nuts and bolts properly tightened ?
<b>Pressure Inspection</b>	9. Check your pressures against your pressure plan	This should be done before use when the tyre is at standing temperature

## HARVEST TYRE PRESSURE CALCULATOR

Tyre Pressures are specific to a range of important parameters. If you need help calculating your optimal working pressures, we're here to help.

Harvest Tyres offers a free tyre pressure consultation service for all our Harvest Tyre customers – and if **you're a member of the Victoria Farmers Federation we are extending this offer to you. Contact Harvest Tyres 1300 761 802**

The information you will need to have ready includes: Tyre Type/Size & its specifications, number of tyres by axle, equipment type, static weight across the axles, load weight (will it be fixed or cyclical), speed travelling and application - even your soil type can impact pressure plans.

Doing the work up-front will maximise the life of your tyres, take into account the application and your preference for ride comfort as a trade off at times to - optimal efficient pressures.

## WHAT ABOUT YOUR CHOICE OF TYRES?

Having a great set of tyres can prepare you for a trouble-free season. Choosing the right tyre to start with.

A tyre is only as good as its fit for purpose design to application. If the tyre isn't built for the right conditions and application, then you are not off to a good start.

A good quality agricultural tyre specified for purpose can roll you through multiple seasons.

## WHAT'S NEW IN HARVEST TYRE INNOVATIVE APPLICATIONS FOR SEASON 2020?

We've been using a lot of Harvest Trojan tyres not only on grain bins but on the steer position of Harvesters.

They deliver great stability particularly on sandy or loose soil. Harvest Trojan's are designed to reduce soil compaction & are resistant to stubble damage because they tumble over the stubble better.

The Trojan will fold over the stubble without contacting the tyre lugs while on standard deeper lug tyres – the damage can be lug direct and significant.

The Trojan's controlled flat crown shape and multi-block tread are all design features to increase flotation and promote soil protection.

Trojan's are also Australian engineered so built for our harsh temperatures, and hours worked in Harvest.



**AGRICULTURAL TYRES ENGINEERED IN  
AUSTRALIA FOR AUSTRALIAN CONDITIONS**