

CONCEPTION RATES

Technical Bulletin



Optimise conception rates with Blueprint® Lift

Correct management of stock prior to joining has a large influence on the conception rates of your flock. Ewe nutrition is key to joining success. When ewes are in the right body condition at joining their ovulation rate and the chance of conceiving twins (fecundity) increases.

Ram preparation is also crucial – rams must be healthy and in the best condition possible. Lambing potential is maximised when rams can work and have viable sperm throughout the joining period. Preparations can begin eight weeks prior to joining for rams, as it takes seven weeks for sperm to be developed.

Both ewes and rams will benefit from a flush of high protein and energy grain or pastures prior to joining. If rams are on low protein or dry paddock feed, they will benefit if they are fed lupins up to 750 grams per head per day for eight weeks leading up to joining. If on better quality pastures we can assist with making adjustments to the amounts of lupins, or can help make recommendations with other protein sources available. Rams should be between condition score three and four at joining.

Ewes will benefit if they are fed up to 500 grams per head per day of lupins daily from seven days before the rams go in. Ewes should be in condition score three and on a rising plane of nutrition to optimise their fertility at joining.

If you cannot access a protein source contact us for further advice.

Blueprint Lift – a granulated water-resistant lick, will assist to boost levels of vitamins, macro and micro minerals prior to joining to optimise reproductive success.

Blueprint Lift contains Bioplex® minerals from Alltech®. Chelated minerals replicate the way a plant would deliver minerals to the animal and therefore are readily absorbed in the digestive system.

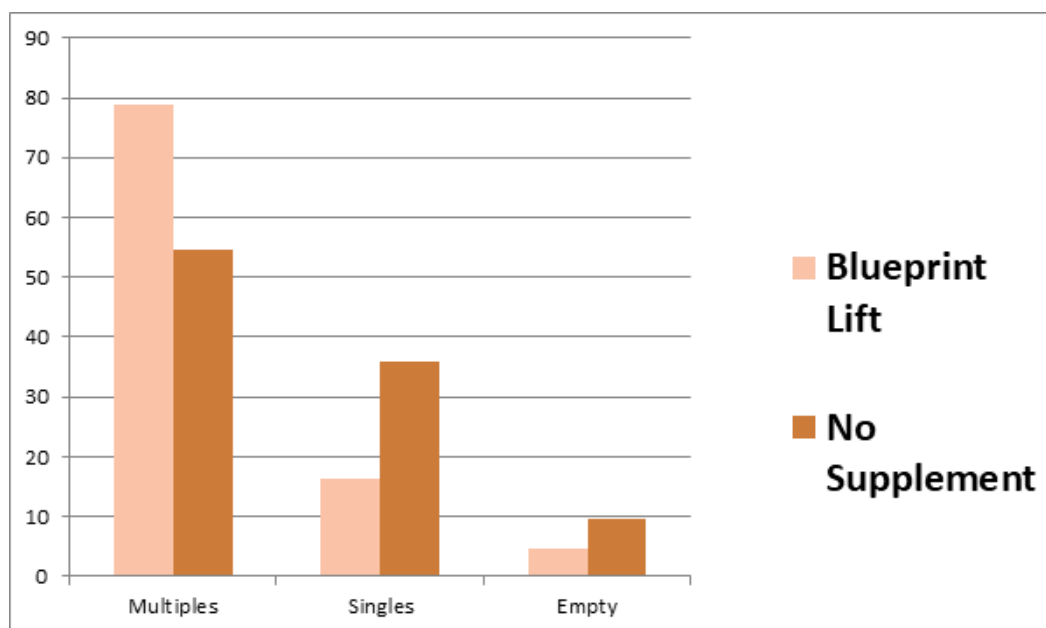
Manganese, zinc and selenium are all crucial in the reproductive process – deficiencies have been associated with silent heat, poor conception, early embryonic death and weak or stillborn progeny.

Using Alltech's Bioplex® minerals (found in Blueprint Lift) prior to joining has shown to optimise conception at the first service. Supplementing rams with organic selenium (Sel-Plex® contained in Blueprint Lift) has shown optimal levels of sperm produced, optimal sperm motility and lower levels of defective sperm.

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In recent trials ewes were supplemented with Blueprint Lift prior to joining and over the joining period – graph below of results at scanning:



Supplementing ewes with essential vitamins and minerals in form of Blueprint Lift maximised the potential progeny (as scanned embryos) and the economic profit.

Blueprint Lift is a balanced blend which overcomes any deficiencies to maximise fertility of your flock. Blueprint Lift also contains other Alltech® technology to maximise rumen health and feed efficiency of your flock.

For further information contact your Alltech Lienert ruminant representative.

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