BVL FEED MIXER WAGONS IN AUSTRALIA

5M³ - 46M³ FEED MIXER WAGONS

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YOUR PARTNER IN FORAGE & LAND



WELCOME

to the guide to feeding stock in Australia.

At Eddington Engineering, our range of equipment is supported by an extensive stock holding of spare parts and our factory trained technicians ensure that the best performance is obtained from each machine.

Our Eddington Engineering team is a dedicated, professional and hard-working group of individuals. Each is a trained specialist who can help fulfil your needs for your specific farming operation.

We work hard to create a strong business relationship with our valued clients.



ABOUT EDDINGTON ENGINEERING

Eddington Engineering is a family owned business established in 1974, specialising in custom ute and truck trays. For over 15 years our major focus has been on the servicing, and selling of stock feed mixers wagons, Australia wide.

After extensive research into vertical mixers, Eddington Engineering has discovered that the BvL, is the best on the market.

BvL mixers are a German made machine, of a very high quality. Built to last, they dramatically reduce fuel usage, mixing times, maintenance and labour costs.



BASICS OF FEEDING CATTLE

As we all know, Australia has one of the most wildly swinging seasonal variations of anywhere on the planet. This places massive pressure on farmers managing their farming operations.

Whether you are dairy farming, dry stock or feed-lotting, you can never exempt yourself from this. Some of the essential factors to consider with feeding stock in Australia are correct feed selections, increasing feed utilisation, saving time and trying to maintain production.

One handy tool that can you can use in maintaining production is a feed mixer wagon.



3

Servicing Australia Wide

FEED SELECTION

Water and feed are likely to be your single largest investment each year, so you need to make sure you are on the right track when purchasing.

You should test any bought-in feed for energy, protein, fibre and dry matter. You need to know what you are going to be receiving in detail before any money changes hands.

You may need to look for other alternative feeds to maintain protein and energy amounts of your stock.









INCREASE FEED UTILISATION

- Get value out of lost cost feeds by mixing feed together.
- Reduce feed wastage through better uptake.
- Gain consistent uptake of all feeds due to reduced sorting of feeds.

Merv & Bonita Koch Dairy Farming Goulburn Valley, Victoria



North Victoria dairy farmer Merv Koch runs a 700 cow dairy farm between Echuca and Shepparton along with his wife, Bonita. After dairy farming in New Zealand, they moved to Australia back in 2001 and started farming in the Goulburn Valley.

Now with 700 cows and his third mixer wagon, they have plenty of experience in dealing with the seasonal variations in Australia. "You cannot set farm patterns based on past seasons here. We need to be able to make the changes as they approach, and not get caught unaware," Merv said. "Our mixer wagon is the tool to deal with the seasonal variations in the most economical way."

"The mixer wagon enables us to feed different combinations, whether it be citrus waste, cereal hay, maize, almond hulls as well as minerals and concentrates," commented Merv, "this gives plenty of options to purchase feed in at the most costeffective price without losing too much production."

"We run BvL feed mixer wagons because we feel they are built the strongest," said Merv. "We have purchased our second BvL mixer wagon for delivery the 2020 summer so having the first BvL operator in Australia returning to BvL speaks for itself."

Merv and Bonita don't typically like buying machinery, but when they do, they like to spec it up with the best features. "We added the electric powershift gearbox, stainless steel bin and auger liners," said Merv. "The powershift gearbox is great, we can load up a full mix the night before, leave it for the night and it starts up very easily. It can also shift range on the go rather than having to stop the PTO."

"We started with a Keenan horizontal mixer wagon and have not regretted the move to the BvL," said Merv. "The Keenan had very high maintenance costs, always blowing bearings and reskins were getting costly."

"Loan interest is often cheaper than repairs, so we started to look at what machines could replace the old Keenan." Merv and Bonita have a few friends in New Zealand and Europe who had been running BvL mixer wagons for a few years who reassured them that purchasing a BvL would not be a poor decision.





USING A FEED MIXER WAGON - GIVE YOURSELF OPTIONS

Should you run a feed mixer wagon?

There are some definite advantages to running a feed mixer wagon in your operation. A feed mixer wagon allows you to feed nearly anything that stock can digest, as well as allowing you to feed supplements that may not be palatable to your stock.

A feed mixer wagon enables you to mix high quality feeds with products such as straw which provide bulk to your ration. Straw is often more readily available and at a lower cost than hay. You can also mix in minerals, and other concentrates which improve your stock health to gets more consistency across your herd.

Graham Fagg

Sheep Farming Western Victoria



West Victorian sheep farmer Graham Fagg runs 6000 merinos at his block near Mt Mercer. He has now added a BvL Feed Mixer Wagon into his operation for one reason, increase feed utilisation. "We had been looking at mixer wagons for a few years until the 2018 season which was shaping up to be very dry," said Graham, "we didn't have much hay reserves, yet had plenty of straw. I thought we had to try and do something to get usage from the straw."

Graham was amazed at the savings of hay, "We are adding straw, hay, silage and putting in different grains depending on what we can get in the silo at that time," commented Graham. "The grains are great at building up protein in the sheep," he said.

"If we didn't have the mixer wagon for the start of the 2018 summer, we wouldn't have had enough hay to get through the dry," Graham said. "We used to only feed hay and silage in the paddock. Now we are feeding half straw and half silage, with grain to make it go further. We only used two-thirds of the amount of hay we would normally use in 2018 with the mixer wagon."

Graham feeds from mid-December to early May, but this is often dependant on when it goes dry. He feeds three bales of silage, three bales of straw, one bucket of grain, some salt and lime, minerals to keep the health, and some molasses.

"Our sheep are a more even now after feeding with the mixer wagon, and the wool cut was up on normal," commented Graham. "The part I like with the mixer was I know exactly what feed they are getting, and you can control the ration depending on animal condition, weather and feed supplies."

As the Mt Mercer area often has cold and wet winters, they keep their lambing as condensed as possible. "The condition of the sheep around lambing was a lot better. If I needed to boost them up beforehand, I had the mixer wagon as the tool to do so," said Graham.

"Time is a big thing for me, and the BvL can feed 3000 sheep per mix," commented Graham. "If someone isn't running a mixer wagon, I would say just go and buy one, you won't realise the time and feed savings, and you will never be without it."

Graham had looked at quite a few mixer wagons, "The main part I liked on the BvL is that they are well made. They are heavy in the walls, floor and augers," he said, "the BvL is low maintenance, quick to mix, and easy to drive."

"Initially I was very concerned about towing it about the paddock, it is a lot more stable than I initially thought, said Graham. "That was one part that initially kept me away from mixer wagons, but I have been impressed with the stability of the BvL."





USING A FEED MIXER WAGON

Feed mixer wagons are the superior feeder choice for improving the weight and production of your herd. This machinery offers a mixed ration which improves the feed conversion ratio to milk solids or increased weight gain.

This provides greater digestibility, meaning more milk production from a given amount of feed. The feed mixer wagon works by supplying a mixed ration over the day, so your cows have the correct balance of energy, protein, fibre, and minerals with a healthy rumen environment. As a result, they are more efficient, productive and profitable.

By using a mixer, you'll supply your animals with optimum minerals and vitamins in a more palatable form, reduce disease, and even accelerate feeding time. As a result, animal health will improve, as will stock weight, and your farm's production will be maximised.

BvL Feed Mixer Wagons

Servicing Australia Wide

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BvL FEED MIXER WAGONS

It is not just BvL's 150 years of experience in the construction of agricultural machinery that has built its reputation, it is also the German determination to succeed in products of reliability and quality. As a result of this focus, BvL's family-owned company continues to become world leaders in innovative ideas, fully developed technology and comprehensive service.



Ken & Anthony Wood Dairy Farming Bryneside, Victoria

Bryneside dairy farmers Anthony and Ken Wood run Deloraine Holdings 20 minutes west of Shepparton. They have been in the area for over 40 years and are milking 500 cows on a high input system.

"We have been running mixer wagons for the past 20 years and are now on our fourth machine, the BvL," said Anthony. "We chose BvL because we wanted to go back to a vertical mixer due to the products we are putting through it. We used to be 90% silage which mixed ok with a horizontal machine but was too slow. We decided to go back to a vertical mixer wagon due to the speed and processing ability of them."

When the Woods' were looking at purchasing the BvL, there were only a few in Australia at the time. "We went and saw one, and they looked very robust and simple," said Anthony. "We checked out a few other mixer wagons, the main thing that stood out for us in the BvL was its simplicity and strength."

"We have halved our mixing time with the BvL compared to our previous horizontal machine," commented Anthony. "In the winters, we are feeding 700 animals, including young stock which we can feed in three mixes and be finished within two hours."

"Our ration mainly consists of clover hay, wheaten hay, maize silage and grass silage, as well as minerals to maintain cow health, he said. We can do a 7-8 ton mix within 15 minutes."

"As we are lane feeding onto concrete, we don't need a conveyer belt as we can drop straight onto our pad which BvL offered," said Anthony.

"We went from a 20m3 horizontal to a 24m3 vertical and haven't needed to change our tractor horsepower which was attractive to us," commented Anthony. "The maintenance costs were very high compared to the BvL, all we have to do is keep fluids up and grease it, and that's it. The wear 'n' tear is hugely less on the BvL compared to the old horizontal machine."





BvL BUILD QUALITY

BvL's Look Heavier Because They Are Heavier



BvL Construction

BvL's have 20mm floor plate and 8mm sidewalls. The walls are lapped at the joints, and these joints are positioned the highest wear point resulting in double thickness to extend life. The walls are fillet welded on both sides, increasing strength and life expectancy.



BvL Chassis

The BvL is running on a separate truck-style chassis, designed to take the flex and vibration of driving around the farm. There are four to eight independent weigh cells, one in each corner for consistent weighing. Compared to other mixers which have the chassis welded to the mixing bowl with only three weigh cells, one on each axle and one on the drawbar. This system gives a less accurate weighing and can cause cracking in the mixer as the bowl flexes.



BvL BUILD QUALITY



BvL Wheel Equipment

The BvL mixers offer ten stud heavy duty axles. The axles are mounted at close centre's this combined with the parabolic suspension results in tight turns being able to be made without the need for a steering axle.



BvL Overlap Joins on Augers

The BvL overlapped joins result in what is the weakest point on other augers becoming BvL's strongest point.



BvL Drawbar

The BvL drawbar is solidly built for long term reliability. Each model has a different length to facilitate the tightest turning circle. The adjustable height means the mixer wagon is always mixing while level.



James McEachern Sheep Farming Wingeel, Victoria



West Victorian sheep farmer James McEachern manages his 4000ha family farm with his mother Kate, and sister Lucy. They run Merino sheep and a Hereford stud, grow 1000Ha of cereal crops, join around 9000 Merino ewes, and fatten wethers up to two-year-olds.

"Years ago, we were lambing April-May which can sometimes be pretty tough where we are in western Victoria," said James, "One year, we had significant losses in ewes, so decided to change to June 1st lambing."

To fill the feed gap, they were feeding off the back of trucks, trail feeding, which was taking too much time.

"We decided to buy a second hand Jaylor mixer wagon to test the theory of feeding through one and ran this for five years," commented James, "Apart from the mixer wagon itself, everything worked very well, and it was a great way to prove the concept."

"The mixer wagon was a great way to utilise the straw, silage, wheat, barley, with no losses at all from acidosis," he said, "actually no losses at all and effectively feeding to 10-15,000 sheep per day in 4-5 hours."

"Traditionally, in our area, people have burnt their stubble post-harvest, which in my view is a waste of a surplus product. In the past few years, we have been baling all our straw behind the header," commented James. "The mixer wagon is a great way to utilise this feed by mixing it with



silage, wheat or barley depending on the requirements for the animals at that time."

"We don't feed hay anymore, we only use straw as our roughage. Two bales of straw, plus silage, plus wheat and the sheep love it," he said, "we are feeding straight onto the ground, and there is virtually no wastage."

"We initially had the Jaylor mixer wagon, and its biggest issue was its wheel and axle setup," commented James. "The axle was set up four wheels in a line, and you could not tell if the bearings and axles were getting worn. We blew numerous bearings and often didn't notice them until we had damaged the hub."

"When we decided to upgrade, we wanted something with a better setup underneath. We looked at several brands, and the BvL was one of the best ones I saw," said James. "It was set up correctly for us with the big suspension, and truck-style chassis underneath rather than the wheels being mounted directly to the bowl. The steering axle has been great just with the distances and tight gateways we need to get into."

"If anyone asked me what wagon to choose, I would certainly recommend the BvL. Paying the little bit extra is worth it in the build quality, the finish and the additional details that they have thought about to enhance the longevity of the product," he said. "We don't look at it as a one-year investment, we see it as up to 10year investment."

"The overall build quality on the BvL is excellent compared to the others I looked at, such as Jaylor, Penta and many other ones," commented James. "As soon as we saw this machine, we knew it was the one for us. We ran it for six months every day, and it still looked the same as the day it arrived."



BvL BUILD QUALITY



BvL Double Anti Spill Ring

The anti-spill ring helps prevent feed spilling out the top of the bin as well as increasing the strength of the top of the bin in case of the loading tractor hitting the mixer. The spill ring also holds dry materials inside the bin as they try and fluff up, causing it to mix faster and with maximum consistency, even when very full.



BvL Heavy Duty Elevator

With specially designed 'V' shaped self-tracking, selfcleaning conveyor systems with cage rollers to help eliminate build-up and keep tracking true. Quality is further enhanced with double-layered, 6mm rubber belting. The centring guides and the cleats are made from tough, vulcanised rubber, and the belts are also set with a very simple yet reliable joiner that helps ensure a long and trouble-free life.

LOWER RUNNING COSTS

BvL Asymmetrical Mixing Wedges

The non-symmetrical setup of BvL Mixer Wagons results in the following:

- Optimum flow of material
- High volume utilisation
- Faster mixing time
- Low power requirement



BvL Exact Dosing System

This system uses the asymmetrical design along with the sharks bite on the augers to ensure full utilization of the bowl capacity and to make sure that trace elements which find their way to the bottom of the bowl are evenly mixed. In turn, the result is a consistent flow of product discharged through the door opening that is positioned at the widest possible position to ensure the product is deposited as a loose swathe.





Gary Budge Dairy Farming Nanneella, Victoria

"It's great having a machine that doesn't break down, and even better when there is nothing to break down."

"As we are feeding a total mixed ration, we cannot do without a mixer wagon," was the comments of Victorian dairy farmer Gary Budge. "A mate up the road told me to buy BvL because he told me that if he hadn't managed to break it, they must be well built."

Feeding 800 cows on 40Ha can prove challenging with balancing the amount of feed grown on-farm and buying in the most cost-effective products. Water is always the unknown and needs to be managed each season carefully.

"We have run a few different smaller mixer wagons over the past few years and are now on a BvL V-Mix 24 Mixer Wagon," commented Gary. "The BvL's are very simple, there is nothing to go wrong on them. It's great having a machine that doesn't break down, and even better when there is nothing to break down."

"You can see the build quality, the heavy-duty floor and walls, the simple elevator," said Gary. "What looks strong generally is stronger, and the BvL lives up to this expectation."

"Each load is one bale of vetch, three bales of wheat, one bale of silage, one ton of grain and one ton of canola," said Gary. "We feed this four times a day on our concrete pad, and the cows just love it."

All that Gary needs to do to it is keep the machine well greased. Regular servicing gives the peace of mind with oil changes and check overs.

Herd manager Christian Barkby says reliability is essential to them in their operation, "the mixer wagon is our most important implement, and if this breaks down, we need it back working immediately. Thankfully the BvL has been very reliable."





BvL OPTIONS

With over 1000 different varients available, BvL is able to manufacture a machine to suit any requirements.

Discharge Options



Folding elevator 0.6m – 5m



Cross conveyer with side shift



Feeding drop chute (Hydraulic or manual)



Rear door (with or without elevator)





435/50 R19.5 Super Single

Transmission



Manual two speed box

Electronic Controls





Powershift transmission

Lighting System





550/45 R22.5 Flotation

Augers



Magnets

Steering Axle





Stainless Raex protection

Stainless Steel Lining







BvL FEED MIXER WAGON SPECIFICATIONS

Australia BvL Feed Mixer Wagons							
Model	Capacity (m³)	Width with one side door (mm)	Width of Mixing Hopper (mm)	Overall length (mm)	Height (mm)	Weight Empty (kg)	Max Payload (kg)
V-Mix 8-1S Plus	8	2130	2050	4800	2620	2950	3360
V-Mix 11-1S Plus	11	2390	2270	4930	2975	4100	4620
V-Mix 15N-2S Plus	15	2355	2270	6820	2450	6050	6300
V-Mix 17N-2S Plus	17	2355	2270	6860	2600	6380	7140
V-Mix 20H-2S Plus	20	2355	2270	6930	2850	6600	8400
V-Mix 24H-2S Plus	24	2355	2270	6945	3150	7000	9832
V-Mix 27-2S Plus	27	2470	2370	7650	3200	8410	10090
V-Mix 34-3S Plus	34	2355	2270	9335	3150	11300	14280
V-Mix 40-3S Plus	40	2470	2370	9850	3350	12200	14300
V-Mix 46-3S Giant	46	2530	2470	10215	3755	14000	19000



BvL LOADER ATTACHMENTS



BvL Silage Block Cutter

BvL's silage block cutters prevent any loosening of the silage and preserve its storage density. They, thereby, minimize the penetration of oxygen at the silage stack face. The quality of the silage is retained, and losses resulting from reheated fodder are reduced.

Capacity 1.65m³ – 3.6m³



BvL Shear Grab

Robust heavy duty sheargrabs enable fast and efficient feedout of silage. V-shaped toothed, 3-parted and bolted cutting edges and low maintenance construction.

Capacity 0.95m³ – 2.25m³



19



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