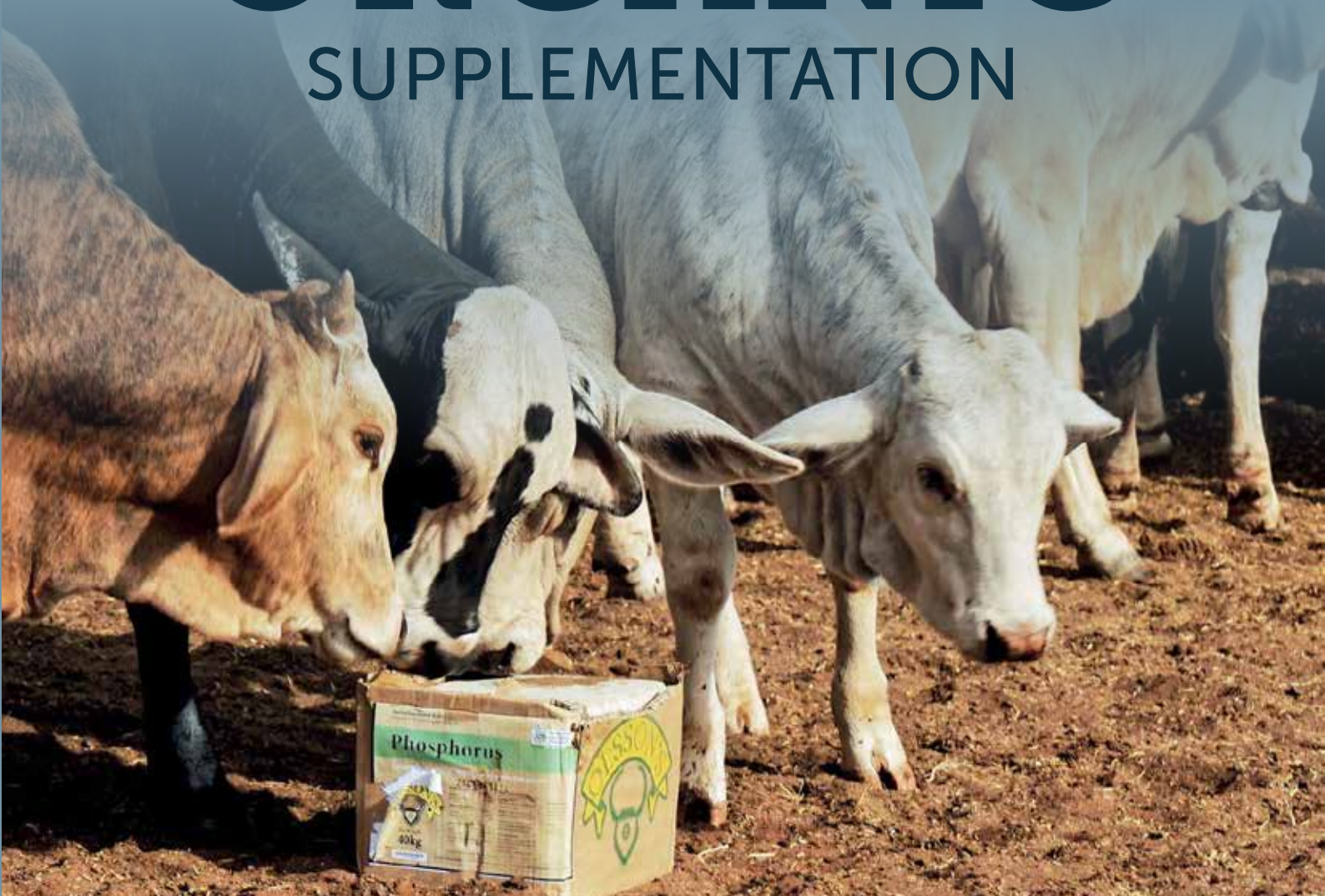




**FREE CHOICE**  
**ORGANIC**  
SUPPLEMENTATION



**ORGANIC SYSTEM**

# FREE CHOICE

## ORGANIC SYSTEM



### **WHY USE OLSSON'S ORGANIC FREE CHOICE SUPPLEMENTATION SYSTEM?**

*Olsson's Organic Free Choice System identifies nutritional deficiency in livestock and satisfies the deficiency efficiently and effectively. We place major minerals in individual supplement blocks, allowing the animals to choose which minerals they require as they require them.*

*Because Olsson's Organic Free Choice System splits the macro minerals, animals can satisfy their own nutritional requirements. This means that livestock will only consume the nutrients they need, avoiding overconsumption (and the wasted money that goes along with it). Because Olsson's Organic System meets the phosphorus, sulphur & trace element needs of the animal, available protein will be maximised due to an efficient rumen. Organic Protein blocks are*

*available for situations where pasture protein is insufficient.*

*The system indicates which nutrients the animals are deficient in. If the animals are consuming large amounts of the Organic Trace Element block for example, we know there is a trace element limiting factor. Determining and meeting the deficiency is the aim. Other tests available to determine the most limiting factor include dung testing, pasture testing, hair sampling and water testing. Many of Olsson's clients use these tests to fine tune their production system.*

*Our Free Choice Organic System is certified organic- Australian Organic Certification No. 12162 & USDA-NOP compliant.*

# HOW DOES THE FREE CHOICE SYSTEM COMPARE TO OTHER OPTIONS ON THE MARKET?

When over-consumption occurs the animal consumes large amounts of unneeded nutrients, sometimes more than 600-800 grams of loose lick per head per day, in order to access the required nutrients. Over-consumption is often corrected by souring the lick. However, with this approach livestock may stop consuming before the deficiency is corrected. Even if they are consuming the nutrients they need, often livestock will consume the nutrients faster than their bodies can absorb them. They then excrete the unabsorbed nutrients, leading to wasted supplement, and wasted money.

**Our blocks regulate the intake of nutrients- meaning the animals can only consume nutrients as fast as they can absorb them. This leads to healthier cattle, and a healthier wallet.**

People may assume that purchasing three or four blocks instead of one complete supplement is more costly. In reality, cattle consume less supplement because they are able to satisfy their deficiency quickly and with a minimal amount of intake. If they do not need it, they will not eat it. Olsson's blocks are weather resistant and will not wash away in heavy rainfall.

Olsson's Organic blocks have nutrients that are balanced with sodium where required to meet the animal's initial craving for salt.



**Weather resistant supplementation**



## Increases Productivity

Blocks provide balanced nutrition for better production



## Weather Resistant

Supplementation to withstand the sun and rain



## Certified Organic

Australian Organic Certification No. 12162 & USDA-NOP compliant



## Efficient Supplementation

Animals only consume nutrients they require, cutting down waste



## Draws Animals In

Helps domesticate herd

# FREE CHOICE

## ORGANIC PRODUCTS

	Organic PROTEIN or PROTEIN + YEAST	Organic PHOSPHORUS	Organic SULPHUR	Organic TRACE ELEMENTS	Organic BENTOBITE	Organic DIATOMITE
	Page 5	Page 6	Page 6	Page 7	Page 7	Page 8
<b>Dry Season</b>	●	●	●	●		
<b>Wet Season</b>		●	●		●	
<b>Weaning</b>	●					
<b>Finishing</b>	●		●			
<b>Early Wet</b>		●			●	
<b>Toxic Plants</b>			●		●	
<b>Internal Parasites</b>						●
	Maximise protein conversion & utilise dry feed	Improves fertility, lactation & growth rates in calves	Sulphur improves rumen efficiency	Corrects deficiencies of essential trace elements	Helps absorb toxins, boosting production, reducing scouring	Assists in reducing worm burden



## ORGANIC PROTEIN



**A premium protein supplement for all livestock**

*Olsson's Organic Protein is high in natural protein and provides energy to livestock to enhance performance. Suitable for all livestock.*

*It is suitable for dry pastures, lactating animals, and any application where additional protein is required in the livestock. Ideal for weaners & finishers.*

**Available in 18, 36 & 90kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Sheep/Goats:</b> 5-10g per head per day <b>Cattle:</b> 50-100g per head per day	Protein Meal	37%	Calcium (Ca)	0.086%
	Total Protein	15%	Phosphorus (P)	0.4%
	Molasses	5%	Magnesium (Mg)	0.045%
	Sea Salt (NaCl)	26%		

## ADDITIONAL PROTEIN OPTION

## ORGANIC PROTEIN + YEAST



**A premium protein supplement with yeast (Levucell Titan). For all livestock.**

*Olsson's Organic Protein + Yeast is high in natural protein and provides energy to livestock to enhance performance. Also contains yeast (Levucell Titan) for optimising rumen pH and increasing fibre digestibility. Suitable for all livestock.*

*It is suitable for dry pastures, lactating animals, and any application where additional protein is required in the livestock. Ideal for weaners & finishers.*

**Available in 36 & 90kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Sheep/Goats:</b> 5-10g per head per day <b>Cattle:</b> 50-100g per head per day	Protein Meal	20%	Calcium (Ca)	0.086%
	Total Protein	8%	Phosphorus (P)	0.4%
	Molasses	5%	Magnesium (Mg)	0.045%
	Sea Salt (NaCl)	40%	Yeast (Levucell Titan)	0.5%

## ORGANIC PHOSPHORUS



**Premium phosphorus supplement for production animals.**

*Olsson's Organic Phosphorus is a supplement used to reduce phosphorus deficiency and provide energy for metabolism, growth, digestive function, fertility and lactation for all livestock.*

*Olsson's Organic Phosphorus helps improve fertility and milk production, and helps increase breeder survival. Advantages include: controlled intake, no wastage & weather resistant.*

**Available in 20 & 40kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Sheep/Goats:</b> 5-10g per head per day <b>Cattle:</b> 50-100g per head per day	Molasses	5%	Calcium (Ca)	8%
	Sea Salt (NaCl)	47%	Phosphorus (P)	8%

## ORGANIC HIGH SULPHUR



**16% sulphur block which assists in controlling internal & external parasites**

*Olsson's Organic High Sulphur provides sulphur and minerals that are essential in developing bacteria in the rumen.*

*Sulphur should be available to livestock at all times, as it is important to the growth and survival of fungi in the rumen, which are essential in assisting the rumen bacteria in deriving essential nutrients from dry and fibrous feeds. Olsson's Organic High Sulphur block is a natural anti-parasitic, and can assist in reducing the impact of toxic plants. It also helps regulate the animal's sulphur/nitrogen balance.*

**Available in 20 & 40kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Sheep/Goats:</b> 5-10g per head per day <b>Cattle:</b> 50-100g per head per day	Molasses	2%	Sulphur (S)	16%
	Sea Salt (NaCl)	84%	Zinc (Zn)	18.62mg/kg
	Calcium (Ca)	0.7%		

## ORGANIC TRACE ELEMENT



**A multi-mineral trace  
element supplement**

*Olsson's Organic Trace Element is a macro mineral supplement designed for a broad range of mineral deficiencies. Balancing these essential elements results in the efficient breakdown of feed consumed by the animal. Deficiencies in copper, cobalt, iodine, & selenium can reduce the animal's growth and reproduction rates, and result in less efficient feed conversion and depressed immunity. Balancing these elements will improve general production of the herd.*

**Available in 20, 40 & 100kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Sheep/Goats:</b> 5-10g per head per day  <b>Cattle:</b> 50-100g per head per day	Molasses	2.5%	Copper (Cu)	1000mg/kg
	Sea Salt (NaCl)	81%	Cobalt (Co)	65mg/kg
	Calcium (Ca)	2.6%	Iodine (I)	500mg/kg
	Magnesium (Mg)	0.4%	Selenium (Se)	26mg/kg

## ORGANIC BENTOBITE



**A supplement to boost protein &  
control green season scouring.**

*Olsson's Organic Bentobite helps absorb toxins, boosting production and controlling green season scouring. Containing bentonite and protein meal, this block offers the benefits of binding some toxins in the gut, balancing rumen function and offering bypass protein.*

*Research at the University of New England showed that the addition of a very small amount of bentonite clay mineral and high quality bypass protein into the diet of sheep and cattle was highly beneficial in improving productivity.*

**Available in 18 & 34kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Sheep/Goats:</b> 5-10g per head per day  <b>Cattle:</b> 50-100g per head per day	Molasses	4%	Bentonite	35%
	Sea Salt (NaCl)	49%	Calcium (Ca)	1%
	Protein Meal	10%		

# ORGANIC DIATOMITE



*Assists in reducing  
worm burden*

*Olsson's Organic Diatomite provides diatomite and bentonite, which are natural anti-parasitics to assist in reducing internal parasites/worm burden.*

**Available in 40 & 90kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Sheep/Goats:</b> 5-10g per head per day  <b>Cattle:</b> 50-100g per head per day	Salt (NaCl)	36.4%	Bentonite	7.3%
	Molasses	29.2%	Protein Meal	4.3%
	Diatomite	19.8%	Calcium (Ca)	3%





# ORGANIC HEALTH INPUT

## FOR FLUOROACETATE POISONING



### **EFFECTS OF FLUOROACETATE POISONING ON LIVESTOCK:**

*The Georgina Gidgee of western Queensland & eastern Northern Territory contains fluoroacetate, a naturally occurring metabolic poison. Heartleaf Bush of the desert uplands of central Queensland & Western Australia also contain fluoroacetate. When ingested by cattle it sets off a chain of complex reactions. Enzymes react to the fluoroacetate and produce fluorocitrate, which is responsible for hypocalcemia (low calcium levels in the blood). The fluorocitrate also impairs cellular oxidative metabolism, meaning the animal's oxygen levels (and therefore energy levels) are lowered. The lower energy reduces glutamate, a chemical that nerve cells use to send signals to other cells, and with this out of wack the animal is unable to regulate acid balance and ammonia removal. This results in an increase of acidosis and an increase in ammonia within the animal.*

***In short, ingesting fluoroacetate containing plants causes hypocalcemia (low calcium levels), hypoglycemia (low energy levels), & interferes with acid & ammonia balance. Each of these symptoms on their own can be detrimental to cattle, and in combination are deadly.***

## SYMPTOMS

### SYMPTOMS CAN INCLUDE:

- Rapid breathing
- Trembling
- Heart failure or irregularities
- Moderate bloat
- Frequent urination
- Bone chewing
- Sudden death, often while drinking or mustering

## TOXIC PLANTS

- Georgina Gidgee (Acacia Georginae)
- Heartleaf Bush (Gastrolobium Grandiflorum)

## POISONING MAP

The map below shows the approximate area where Georgina Gidgee and Heartleaf is prevalent. However, poisoning can occur outside of these areas.



- Georgina Gidgee
- Heartleaf Bush

## SUPPLEMENTATION FOR COUNTERACTING FLUOROACETATE POISONING:

We offer two blocks, Olsson's Bio Health Booster and Olsson's Bio Health Energy, to be fed in conjunction to assist with the health issues associated with fluoroacetate poisoning. For approval to use, please contact ACO and request an Input Compliance letter.

Assists with:

**Hypocalcemia, acidosis, and increased build up of fluorocitrate & ammonia**

### BIO HEALTH BOOSTER



Assists with:

**Hypoglycemia, mineral deficiencies and high toxin levels**

### BIO HEALTH ENERGY



## ORGANIC INPUT BIO HEALTH BOOSTER



**A supplement to assist  
with absorbing toxins and  
balancing rumen function**

Containing bentonite and bypass protein meal, Olsson's Bio Health Booster offers the benefits of binding toxins in the gut and balancing rumen function. It also helps to build up glutamate, regulate ammonia levels & acid balance & helps to restart cellular oxidative metabolism. Bio Health Booster also contains a blend of vitamins to assist with the storing and mobilising of calcium from the bones.

**Available in 34kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Cattle:</b> 50-100g per head per day	Protein Meal	20%	Calcium (Ca)	2%
	Molasses (organic)	6%	Glutamate Builder	6%
	Salt (NaCl)	28.6%	Vitamin C	4%
	Zeolite	8%	Vitamin Blend	0.1%
	Bentonite	20%	Manganese (Mn)	0.2%
	Biochar	5%	Iron (Fe)	0.1%

## ORGANIC INPUT BIO HEALTH ENERGY



**A high glycerol block, assists in  
maintaining energy levels required  
to survive fluoroacetate poisoning**

Fluoroacetate in poisonous gidgee & heartleaf impairs the cellular oxidative metabolism, which lowers energy for maintenance & growth. Olsson's Bio Health Energy supplies glycerol for quickly building optimal energy levels. It also contains modified biochar to assist in binding fluoroacetate ions, as well as calcium & phosphorus to counteract deficiencies caused by fluoroacetate.

**Available in 40kg blocks.**

DIRECTIONS FOR USE	TYPICAL ANALYSIS			
<b>Cattle:</b> 50-100g per head per day	Protein Meal	3%	Phosphorus (P)	4.7%
	Salt (NaCl)	4%	Glycerol	20%
	Magnesium (Mg)	6.2%	Biochar	15%
	Calcium (Ca)	4.5%	Zeolite	3%



## **CONTACT US**

---

<b>Col Young</b>	0427 796 511	NT, Kimberley
<b>David Mosch</b>	0427 659 411	North QLD
<b>Barry Knight</b>	0417 791 840	Central & SE QLD
<b>Hirek Nowinski</b>	0419 675 693	New England
<b>Sonya Tait</b>	0428 288 882	NSW
<b>Bill Clark</b>	0407 867 754	WA, SA, VIC
<b>Ashley Parkinson</b>	0477 509 185	SA, VIC
<b>Phil Mallinson</b>	0407 788 450	TAS
<b>HOTLINE</b>	1800 804 096	

**[olssonsblocks.com.au](http://olssonsblocks.com.au)**