

DOWNLAND[®]

PARTNERS IN FARMING HEALTH



Product Guide

Nutritional supplements for all your livestock needs





About Downland

Downland is a UK wide network of independently owned agricultural retailers who work together to share knowledge and expertise and to supply a wide range of animal health and nutritional products to farmers. We specialise in the dairy, beef and sheep sectors and strive to offer the best advice to ensure our farmer customers are as efficient and successful as possible.

Founded in 1979, Downland is known for its high quality products, professional, personalised service and ethos of working with farmers to develop strong, long-lasting relationships.

The Downland Philosophy:

We aim to provide farmers with The Best Advice, The Best Products and The Best Value.

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Mineral Buckets



Downland mineral buckets are ideal molassed complementary feeds that provide minerals, trace elements and vitamins, in a palatable easy to use lick.

When used at grass, they provide cattle and sheep with extra supplementation to help support target growth rates, health and fertility. They contain chelated trace elements which help to increase mineral availability to the animal. Specialist formulations are used to aid in the prevention of animal health problems such as grass staggers, twin lamb disease and milk fever.



Min Vit



Feed to all types of stock on grass and forages

- High levels of all major minerals
- Use to supplement grass and forages where mineral deficiencies are common e.g selenium and zinc
- Helps maintain good stock health and helps optimise performance
- Does not contain copper

Pack Size: 25kg / 100kg



Mag Extra

Helps prevent grass staggers

- Feed to dairy cows, suckler cows and lactating ewes during lush grass growth in spring and autumn
- Very high magnesium lick at 18% magnesium
- Added sodium to help with magnesium absorption
- Contains a full range of minerals and vitamins
- Protected zinc to support hoof integrity and high vitamin E for overall stock health

Pack Size: 25kg / 100kg

Mag Extra + Copper

Helps prevent grass staggers

- Feed to dairy and suckler cows during lush grass growth in spring and autumn
- Very high magnesium lick at 18% magnesium
- Added sodium to help with magnesium absorption
- Contains a full range of minerals and vitamins
- Protected zinc to support hoof integrity and high vitamin E for overall stock health
- 2,000mg/kg copper including a protected form for optimal health and performance
- Contains copper NOT SUITABLE FOR SHEEP

Pack Size: 25kg / 100kg





Dry Cow

Pre-calving preparation for dairy and suckler cows

- Feed from 6 weeks pre-calving
- Specialist specification designed to help reduce calving problems and assist breed back
- Will help where there is a milk fever risk and ease calving process
- High levels of selenium, including selenium yeast, to help reduce the potential of retained cleansings and infections
- 2,500mg/kg copper, including a protected form, to help optimise fertility post calving
- 3,000mg/kg zinc, including a protected form, to support feet and teat health
- Supra-nutritional level of vitamin E 1,500i.u/kg, for thrifty calves and to help optimise immunity against mastitis
- Contains copper NOT SUITABLE FOR SHEEP

Pack Size: 25kg / 100kg

High Phos

Feed to dairy, beef and suckler cows on forages and root crops

- 5% high phosphorus lick for dairy, beef and suckler cows
- Use with forages that may be low in phosphorus and where root crops make up a large proportion of the ration
- Helps improve energy utilisation at bulling time and fertility
- Contains protected copper and zinc to support fertility and hoof integrity
- Contains copper NOT SUITABLE FOR SHEEP

Pack Size: 25kg / 100kg



Buzz Off

Helps discourage biting insects and flies at pasture

- Good levels of minerals and vitamins to keep stock healthy at grass
- Added garlic to help discourage fly and biting insects
- Reduced amount of grazing disturbance from nuisance insects
- Helps reduce potential incidence of blowstrike and teat infections
- Includes garlic oil; potent and effective
- Withdrawal period: 28 days for meat, 7 days for milk

Pack Size: 25kg / 100kg



Suckler Extra

Specialist mineral lick formulated for suckler cows

- With high levels of major minerals, trace elements and vitamins
- Will help optimise herd health, fertility and general performance
- Selenium yeast, protected copper and zinc are included to balance potential deficiencies in forages and feeds
- Use at bulling time and with winter rations
- 8% magnesium is included to help maintain blood magnesium levels
- Contains copper NOT SUITABLE FOR SHEEP

Pack Size: 25kg / 100kg





Hoof Care

Specialist formulation for optimising foot health

- Can be fed to cattle and sheep
- Contains protected zinc and biotin for hoof integrity and strength
- Selenium yeast and vitamin E are included to support immunity

Pack Size: 25kg / 100kg

Cattle Extra

Use for all types of cattle on grass and forages

- High levels of all major minerals
- Contains protected copper and zinc for optimal health and performance
- High levels of essential trace elements and vitamins
- Contains copper NOT SUITABLE FOR SHEEP

Pack Size: 25kg / 100kg

Pre Tupping

Specialist formulation to help optimise fertility in ewes and tups

- Feed from 4 weeks before and 6 weeks after the tups are introduced
- Contains Omega-3 fatty acids to help support fertility in ewes and tups
- Contains very high levels of vitamin E at 1000i.u/kg along with selenium yeast to help optimise immunity, vital for the successful implantation of the embryo
- With 1000mcg/kg of vitamin B₁₂ to increase supply where cobalt may be deficient
- Protected zinc is included to support healthy feet

Pack Size: 25kg / 100kg



Sheep Mag

Use post lambing at grass as an aid in staggers prevention

- 10% magnesium lick for sheep
- Use after lambing when lush grass growth may cause hypomagnesaemia in ewes
- Palatable and with a full range of minerals, trace elements and vitamins for better flock health
- Contains vitamin B₁₂ to increase supply in cobalt deficient areas where pine may be a problem
- Contains vitamin B₁ to support a healthy nervous system and to assist where CCN may be a problem

Pack Size: 25kg / 100kg

Sheep GP

Use for ewes, lambs and tups

- Use throughout the season for optimum flock health
- Balances potential deficiencies found in grazing and forages
- Contains protected zinc to support healthy feet and teats

Pack Size: 25kg / 100kg



Mineral Bucket Analysis Table

	Min Vit	Mag Extra	Mag Extra + Copper	Dry Cow	High Phos	Buzz Off	Suckler Extra	Hoof Care	Cattle Extra	Pre Tuppung	Sheep Mag	Sheep GP
Lid Colour	Orange	Red	Green	Blue	Brown	Brown	Brown	Brown	Brown	Cream	Brown	Brown
Oil %	-	-	-	-	-	-	1.0	1.0	-	1.0	-	-
Calcium %	11.0	5.5	6.5	3.5	12.0	10.0	10.0	9.0	12.0	15.0	7.5	14.0
Phosphorus %	2.0	1.0	1.0	2.0	5.0	1.0	3.0	3.0	2.0	5.0	1.0	2.0
Magnesium %	5.0	18.0	18.0	10.0	3.0	5.0	8.0	6.5	5.0	3.0	10.0	3.0
Sodium %	7.0	5.0	5.0	7.0	4.0	6.0	4.5	5.0	5.0	3.0	6.0	5.0
Copper mg/kg	-	-	2000	2500	2000	-	2500	-	2000	-	-	-
Protected Copper mg/kg	-	-	yes	yes	yes	-	yes	-	yes	-	-	-
Zinc mg/kg	4600	3000	3000	3000	3000	3000	3000	5000	3000	4600	3000	3000
Protected Zinc mg/kg	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Manganese mg/kg	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Iodine mg/kg	450	300	300	500	300	300	300	450	300	450	300	75
Cobalt mg/kg	40	40	40	40	40	40	40	40	40	40	40	40
Selenium mg/kg	30	30	30	30	30	30	30	30	30	30	30	30
Selenium Yeast mg/kg	-	-	-	yes	-	-	yes	yes	-	yes	yes	-
Vitamin A iu/kg	400k	200k	200k	200k	250k	200k	200k	200k	200k	400k	200k	200k
Vitamin D ₃ iu/kg	80k	40k	40k	40k	50k	40k	40k	40k	40k	80k	40k	40k
Vitamin E iu/kg	400	300	300	1500	300	300	300	1200	300	1000	300	300
Vitamin B ₁ mg/kg	-	-	-	-	-	-	-	-	-	-	100	-
Vitamin B ₁₂ mcg/kg	-	-	-	1000	-	-	-	-	-	1000	1000	-
Biotin mg/kg	-	-	-	-	-	-	-	5	-	-	-	-

Feed Buckets

Downland feed buckets are recommended where extra protein and energy is required. They also contain a full complement of minerals, trace elements and vitamins to help optimise nutrition of all farm livestock.

The range has been formulated with top quality raw materials and using the most readily available sources of micro-nutrients. The latest research on animal requirements has been used by our formulators to ensure that each bucket provides the recommended levels of minerals, trace elements and vitamins for optimum performance and health.



Sheep Natural Energy

Very high energy density and quality protein specialist sheep feed

- Use from tupping to lambing
- 13.5MJ of ME from multiple energy sources including protected fat
- 16.5% CP, including high quality DUP sources including Hi Pro Soya
- Will help as an aid where there is a risk of twin lamb disease and give energy pre-lambing
- Quality protein sources are used to produce milky ewes
- Contains Omega-3 fatty acids from fish oil for optimal fertility and lamb vigour
- Contains high levels of vitamin E and selenium, including selenium yeast, for easier lambing and thrifty lambs
- With protected zinc to support hoof integrity
- Can also be fed to finishing lambs on forage/root systems
- No other minerals are needed

Pack Size: 25kg / 100kg





Cattle Balancer

Forage balancer for all types of cattle

- Feed to all types of cattle where extra energy and protein is required in the diet
- Ideal for cattle on winter forages and on autumn grazing
- Contains a full range of minerals and vitamins for good herd health
- Quality proteins are used to balance grass and silages to boost daily liveweight gain of young stock
- Protected copper is included to help optimise cow fertility at bulling
- Contains copper NOT SUITABLE FOR SHEEP

Pack Size: 25kg / 100kg



Breathe Rite

Specialist formulation to help keep airways clear and to support a healthy respiratory system

- Use before housing and throughout risk periods
- Contains specially selected essential oils and plant extracts
- Selenium, including the selenium yeast form, along with very high vitamin E, is included to help optimise immunity
- Feed formulation to give a nutritional boost to young calves, containing quality proteins only
- Contains copper NOT SUITABLE FOR SHEEP

Pack Size: 10kg / 25kg / 100kg



Cattle Mag Balancer

Forage balancer with extra magnesium

- Feed to dairy and suckler cows where extra performance is required and when there is a risk of grass staggers
- Contains 8% magnesium
- Ideal at turnout and on autumn grass when extra supplementation is required
- Contains copper NOT SUITABLE FOR SHEEP

Pack Size: 25kg / 100kg



Feed Bucket Analysis Table

	Sheep Natural Energy	Cattle Balancer	Cattle Mag Balancer	Breathe Rite
Lid Colour	Maroon	Blue	Brown	Yellow
Protein %	16.5	15.0	13.0	14.5
Oil %	8.5	6.0	5.0	8.5
ME MJ/kg DM	13.5	12.4	11.0	12.5
Calcium %	4.5	5.7	4.0	6.5
Phosphorus %	1.0	1.0	1.0	1.0
Magnesium %	2.5	2.5	8.0	1.0
Sodium %	1.0	2.0	1.0	2.0
Copper mg/kg	-	500	500	500
Protected Copper mg/kg	-	yes	yes	yes
Zinc mg/kg	2500	750	750	2200
Protected Zinc mg/kg	yes	yes	yes	yes
Manganese mg/kg	2500	800	800	1600
Iodine mg/kg	35	75	75	80
Cobalt mg/kg	10	10	10	20
Selenium mg/kg	15	5	5	15
Selenium Yeast mg/kg	yes	-	-	yes
Vitamin A iu/kg	150k	50k	50k	80k
Vitamin D ₃ iu/kg	30k	10k	10k	16k
Vitamin E iu/kg	500	50	50	1000
Biotin mg/kg	-	-	-	5



Feed Blocks

Downland feed blocks have been specifically formulated to make the best use of home grown forages and feeds; reducing the need for bought in concentrates.

When used at grass, they provide cattle and sheep with extra supplementation to help support target growth rates, health and fertility.

Standard

23% protein feed block for cattle and sheep

- Feed where extra protein is desired in diet e.g with winter grazing, hay, straw, maize silage and rough/ hill pastures
- Provides extra supplementation for pre-lambing ewes on low protein forages
- Provides extra nutrients for suckler cows and young stock helping to maintain condition on winter forages

Pack Size: 20kg

High Energy

20% protein and energy feed block for extra performance from cattle and sheep

- Ideal for tupping and pre-lambing for all types of sheep to increase energy and nutrient supply at these critical times
- Balanced for energy and protein to improve value of home grown forages and feeds
- Feed from 8 weeks pre-lambing to twin bearing ewes before concentrates are introduced
- After scanning, use for singles returned to hill grazing
- Use at grass to maintain growth rates in beef cattle

Pack Size: 20kg





Sheep Energy

Extra energy block for feeding pre-lambing

- Feed from 4-6 weeks pre-lambing for twin bearing ewes to increase energy supply in the diet
- Will help as an aid where there is a risk of twin lamb disease
- With added vitamin E and selenium to help support the immune function and provide thrifty lambs
- Use at tupping time from 2 weeks before the tups are introduced for improved lambing percentage
- Contains 18% protein, including quality proteins for good milk supply
- After lambing use to prevent mis-mothering when ewes and lambs are turned out onto grass

Pack Size: 20kg

Feed Block Analysis Table

High Mag

10% magnesium feed block to help prevent grass staggers

- Use at pasture when grass staggers may be a problem
- 16% protein feed block to help improve value of forage especially useful on autumn grazing
- Can be fed to ewes after lambing where grass staggers may be a risk
- Full mineral and vitamin pack to help balance potential mineral deficiencies throughout the grazing period

Pack Size: 20kg

	Standard	High Energy	Sheep Energy	High Mag
Protein %	23	20	18	16
Urea %	5.0	4.0	3.2	3.0
Oil %	2.5	3.5	5.0	2.5
Ash %	21	23	25	35
Calcium %	4.5	3.0	5.2	3.5
Phosphorus %	0.3	0.3	0.2	0.2
Magnesium %	1.5	3.0	2.0	10.0
Sodium %	3.0	3.5	3.3	3.0
Copper mg/kg	-	-	-	-
Zinc mg/kg	800	800	800	800
Manganese mg/kg	500	500	500	500
Iodine mg/kg	35	35	35	35
Cobalt mg/kg	5	5	5	5
Selenium mg/kg	5	5	5	5
Vitamin A iu/kg	40k	40k	40k	40k
Vitamin D ₃ iu/kg	10k	10k	10k	10k
Vitamin E iu/kg	250	250	250	250

Protein Concentrates



A range of high quality balancers for beef, dairy and sheep specifically formulated to cover a wide range of needs on farm.

- Flexible diets for all types of stock
- Utilise home grown feeds
- Enables ration or system flexibility
- Bag products ease cash flow
- Molassed for palatability and dust control
- Proven results and ration service
- Cost effective supplements
- Convenience
- Sound nutritional advice



Beef 50 + Urea

A highly concentrated cattle product based on a blend of vegetable and urea proteins. Molassed for energy, palatability and dust suppression. Not for top dressing, this product should be mixed with cereals and introduced gradually to stock that are at least 3 months of age. Maximum recommended inclusion rate is 4 bags/tonne (10%). Ideal for cereal beef systems based on ad lib feeding with access to straw.

Pack Size: 25kg

Cattle 40

A natural protein concentrate for cattle which can either be top dressed or mixed into a diet. Highly palatable and fully mineralised making it ideal for balancing grass silage based rations for dairy cows, beef cows, young stock and calves. Contains high quality protein sources high in by-pass protein but also good energy values so when mixed with cereals their energy value is not reduced. Top dress at up to 1kg/day or mix with cereals at up to 6 bags/tonne (15% inclusion).

Pack Size: 25kg

Booster Beef

This product not only provides a high level of quality natural protein but also a very high energy level. The energy is derived from protected oil, which will help maintain coat condition and bloom as well as a high nutritional value for optimal performance. Recommended for growing and finishing cattle and calves. Feed direct at up to 1kg/day or for mixing with cereals, at up to 6 bags/tonne to make a dust free ration.

Pack Size: 25kg

Sheep 40

Specially formulated for ewes pre and post lambing and for inclusion in lamb creep mixes or finishing diets. Based on a quality blend of proteins with high levels of by-pass for supplementing silage, hay and grass based diets. Does not contain urea. Mineralised, including a high level of vitamin E to help promote lamb vigour and suckling response. Can be direct fed at 200g/day or mixed with cereals at up to 8 bags/tonne.

Pack Size: 25kg



Protein Concentrates Analysis Table

	Beef 50 + Urea	Cattle 40	Booster Beef	Sheep 40
Protein %	50	40	35	40
Urea %	12	-	-	-
Oil %	2.5	3.0	9.3	3.5
ME MJ/kg DM	9.0	12.5	14.0	12.7
Calcium %	6.0	5.0	4.6	6.0
Phosphorus %	0.5	1.0	0.9	0.5
Magnesium %	0.1	0.2	0.5	0.6
Sodium %	1.0	1.5	0.5	0.6
Copper mg/kg	150	320	210	-
Zinc mg/kg	625	475	300	550
Manganese mg/kg	500	485	300	400
Iodine mg/kg	40	30	20	40
Cobalt mg/kg	5	4	5	5
Selenium mg/kg	2	4.5	2.5	6
Vitamin A iu/kg	100,000	60,000	40,000	60,000
Vitamin D ₃ iu/kg	20,000	12,000	8,000	12,000
Vitamin E iu/kg	500	240	160	400



Liquid Feed Supplements

Downland liquid feeds have been formulated to complement and improve the nutritional value of home grown forage and feeds.

Mag Liq 5%

- Highly concentrated magnesium salt to be added to drinking water
- Helps prevent grass staggers (hypomagnesaemia)
- Treat all water that animals have access to
- Intakes: 0.3 litres/cow/day or per 10 ewes (post-lambing only)

Mol Liq

- Readily available energy liquid for all types of cattle and sheep
- Sweetens rations and aids palatability
- Helps improve forage intakes
- Cattle up to 2 litres/head/day
- Sheep 0.25 litres/head/day
- Home mix add 25 litres/tonne of feed

Thrive Liq

- Readily available energy liquid for cattle and sheep
- Use where extra energy is required at bulling/ tupping time and pre-post lambing
- Add to home-mix/cereals to “put a nose” on the ration
- Intakes: Dairy and suckler cows: 1-2 litres/cow/day
Beef cattle: 0.5-1 litres/head/day
Ewes: 0.1-0.3 litres/ewe/day
Mix at a maximum of 40 litres/tonne of cereal

Suckler Liq 38%

- High protein liquid to balance low quality roughages and forage
- Extra magnesium included to maintain blood magnesium levels
- Added vitamins and minerals to maintain cow health
- Feed at grass and throughout winter
- Intakes : 0.5-1 litres/cow/day

Ewe Liq 16%

- Balanced for energy and protein
- With added trace elements and vitamins
- Use with forages to balance ration
- Ideal at tupping time and pre-post lambing
- Intakes: 0.1-0.3 litres/ewe/day

Beef Liq 40%

- High urea based protein liquid
- Feed to beef cattle free - access or poured over forage
- Improves forage intake and digestibility of forages and roughage
- DO NOT FEED TO CATTLE UNDER 3 MONTHS OF AGE
- Intakes: up to 0.5-1 litres/cow/day or 0.3-0.5 litres/beef animal/day

Mag Mol 3.5%

- Readily available magnesium on a molassed base
- Palatable for ensured intakes
- Use free - access or on top of forage
- Intakes: 0.4-0.5 litres/cow/day or per 10 sheep (post-lambing only)

Liquid Feed Supplements Analysis Table

	Mag Liq 5%	Mol Liq	Thrive Liq	Mag Mol 3.5%	Ewe Liq 16%	Beef Liq 40%	Suckler Liq 38%
Protein %	-	8.50	3	2	16	40	38
Urea %	-	-	-	-	4	13	12.60
Ash %	10	12.60	7	11	9	6	12
ME MJ/kg DM	-	11	12.5	8	11.5	9.5	6.5
Sucrose %		22	36	25	35	26	22
Magnesium %	5	-	-	3.50	-	-	2.50
Sodium %	-	-	-	-	-	-	1.20
Zinc mg/kg	-	-	100	100	100	100	100
Manganese mg/kg	-	-	100	100	100	100	100
Iodine mg/kg	-	-	15	15	15	15	15
Cobalt mg/kg	-	-	5	5	5	5	5
Selenium mg/kg	-	-	2	2	2	2	2
Vitamin A iu/kg	-	-	100,000	100,000	100,000	100,000	100,000
Vitamin D ₃ iu/kg	-	-	25,000	25,000	25,000	25,000	25,000
Vitamin E iu/kg	-	-	50	50	50	50	50

Liquid feed supplements are available in 1,000 litre mini bulk deliveries
Specialist storage and feeding equipment is available, please ask for details

Bucket and Block Feeding and Intake Guide

Buckets

- Place away from drinking water to control intakes
- Site over whole grazing area
- Ensure adequate forage / grazing is available at all times
- Move the feeding site occasionally to avoid poaching when fed outside
- Ensure enough buckets are available for stock at the recommended rates
- Feed free access to appetite

Mineral Lick

Offer 1 x 25kgs amongst 30-35 sheep or 10-15 cattle

Allow 1 x 100kgs amongst 90 sheep or 50 cattle

Feed Lick

Offer 1 x 25kgs amongst 30-35 sheep or 10-15 cattle

Intake Guide

As a guide we would expect the following daily intake levels:

Mineral lick

Cattle up to 150g/head/day

Sheep up to 30g/head/day

Feed Lick

Cattle up to 500g/head/day

Sheep up to 150g/head/day

Blocks

- Ensure ad lib forage is available at all times and offer blocks free-access
- Feed in new Downland block containers to minimise wastage and control intakes
- Move feeding sites regularly to avoid poaching
- Place enough feeding sites out for the number of animals
- Placing near water sources generally increases intakes

Offer 1 block per 10-15 cattle

Offer 1 block per 30-35 sheep

Intake Guide

As a guide we would expect the following daily intake levels:

Ewes up to 100-250g/ head/day

Cows and adult cattle up to 450-700g/head/day

Young stock up to 200-400g/head/day

Intakes are affected by several factors including forage quality and supply, and availability of other feeds. Weight of animals, performance level and weather conditions all influence intakes.

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Downland Marketing Ltd. 15 Victoria Place, Carlisle CA1 1EW
Tel: 01228 564498 Email: bestadvice@downland.co.uk
www.downland.co.uk