

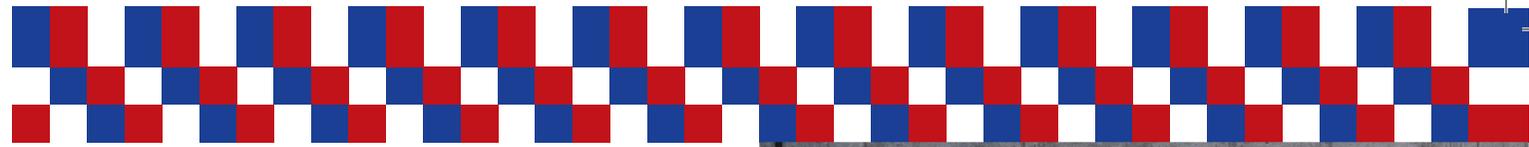
TopStart has been developed with both the farmer and their calves in mind.

- Formulated to deliver high **liveweight gain** and boost **calf health**
- Quality **dairy products**
- Elevated levels of balanced **amino acids**
- Added **flavours** for palatability and encourage early calf intake
- Suitable for **bucket and computerised feeding systems**
- Includes **PEP+** to boost calf immunity and gut health



Our quality promise to you is that we only select the highest quality ingredients and our ongoing rigorous testing and quality control processes ensure that TopStart consistently performs on farms, giving our customers confidence and peace of mind.

Packaging: 20kg heat sealed paper sack with inner poly-liner.



For further information and technical support, please contact the following stockists.

Arrabawn Co-op
Co. Tipperary
www.arrabawn.ie

Ballyjamesduff Co-op
Co. Cavan
049 854 4483

Bandon Co-op
Co. Cork
www.bandoncoop.ie

Boherbue Co-op
Co. Cork
029 76004

Bunroe Co-op
Lisboduff, Cootehill
Co. Cavan
0879 619691

Callan Co-op
Co. Kilkenny
www.callancoop.ie

Centenary Thurles Co-op
Co. Tipperary
www.centenarythurles.com

Drombane Co-op
Co. Tipperary
0504 54136

Inishowen Co-op
Co. Donegal
www.inishowencoop.ie

Killasnett Co-op
Sligo Road, Manorhamilton
Co. Leitrim
www.killasnett.ie

Lakeland Agri
Co. Cavan
www.lakeland.ie

Lee Strand Co-op / Brownes
Co. Kerry
www.toplinebrownes.ie

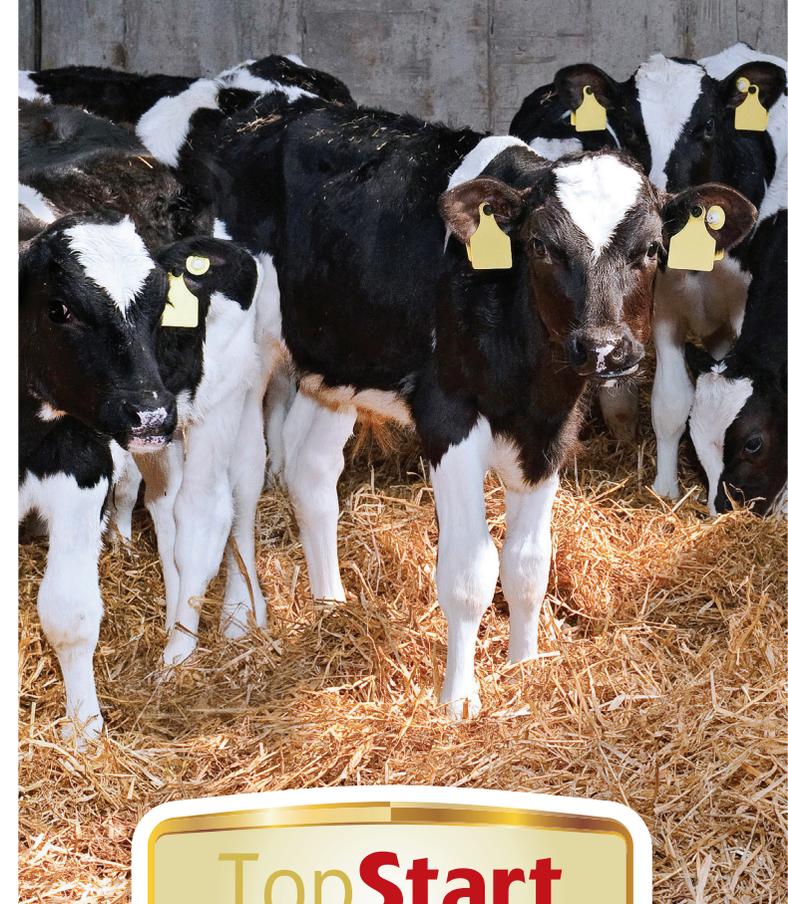
Lisavaird Co-op
Co. Cork
www.lisavairdco-op.ie

Mullinahone Co-op
Co. Tipperary
www.mullinahonecoop.ie

North Cork Creameries
Co. Cork
www.northcorkcreameries.com

Royal Town and Country Stores
Co. Meath
046 9431 661

Tipperary Co-op
Co. Tipperary
www.tipperary-coop.ie



Formulated to give your calves the best possible start in life.



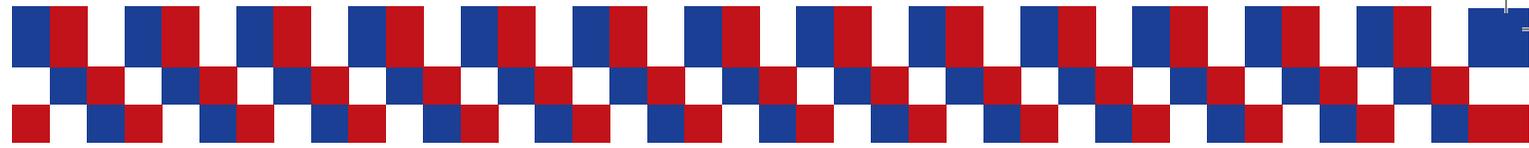


PEP+ is a unique combination of **Prebiotics**, High **Vitamin E** and **Probiotics**, to boost calf immunity and gut health.

Prebiotics act in the large intestines to lower the pH level and have an anti-microbial effect.

Vitamin E is an antioxidant, which boosts the immune system of the calf.

Probiotics act in the small intestine that have a positive effect on gut flora. **Probiotics** help to strengthen the immune system and support the enzyme system.



Analytical constituents:

Protein	24%	Vitamin A	25,000 iu/kg
Fat	18%	Vitamin D3	7,500 iu/kg
Fibre	0%	Vitamin E	500 iu/kg
Ash	7.5%		

Machine feeding:

TopStart Calf Milk Replacer is suitable for all automatic calf milk feeders. Calibrate the feeder by adding 143g (12.5%) or 176g (15%) of milk powder to 1 litre of water.

Consult the automatic feeder manual or milk replacer representative for an appropriate feed curve.

Bucket mixing and feeding:



Feed at least 3 litres of colostrum within the first 2 hours. Aim for 10% of bodyweight in the first 12 hours.



Feed 750-900g of TopStart per day, as per feed tables below, depending on target growth rates.



Add the milk replacer to half the required quantity of warm water (42-45°C) and mix thoroughly. Make up to the full quantity by adding additional water to achieve a feeding temperature of 38-40°C.



During cold periods, calves require more energy. For every 5°C drop in temperature below 10°C, feed an extra 10% milk replacer.



Ensure ad lib access to clean water from birth. High quality concentrates and straw should be available from day 4. Wean gradually over 2-3 weeks, and only when consuming at least 1.5kg concentrates for 3 consecutive days.

Weaning:

Stepped down or gradual weaning is achieved by reducing the volume of milk fed over a period of 7 to 14 days. If calves are fed milk twice a day, weaning can be achieved by cutting down to once a day feeding.

Target 1kg/head/day concentrates pre weaning. Calves are ready to be weaned when consuming at least 1.5kg of concentrates for 3 consecutive days.



Twice-a-day bucket feeding at 12.5% solids (Moderate Growth)

Days 1-3: Colostrum/Transition milk

Age	Quantity per feed per calf			No. feeds
	Water	Powder	Total volume (12.5%)	
Days 4-7	1.75 litres	250g	2 litres	Twice/day
Weeks 2-6	2.65 litres	375g	3 litres	Twice/day
Weeks 7-8	1.75 litres	250g	2 litres	Twice/day
Weeks 9-10	1.75 litres	250g	2 litres	Once/day

Twice-a-day bucket feeding at 15% solids (Elevated Growth)

Days 1-3: Colostrum/Transition milk

Age	Quantity per feed per calf			No. feeds
	Water	Powder	Total volume (15%)	
Days 4-7	1.7 litres	300g	2 litres	Twice/day
Weeks 2-6	2.55 litres	450g	3 litres	Twice/day
Weeks 7-8	1.7 litres	300g	2 litres	Twice/day
Weeks 9-10	1.7 litres	300g	2 litres	Once/day