



New Trials Show Peas Can **Replace** **Soybean Meal** in Swine Feed

A study conducted by Dr. Li van Kinh in Vietnam revealed pea meal can **completely replace soybean meal** in finisher pigs with no adverse effect on growth performance, carcass characteristics, or meat pH. At a time when feed costs are rising, Canada's stable production and quality feed peas are a reliable replacement for the primary protein source in swine diets.

THE FEED TRIALS

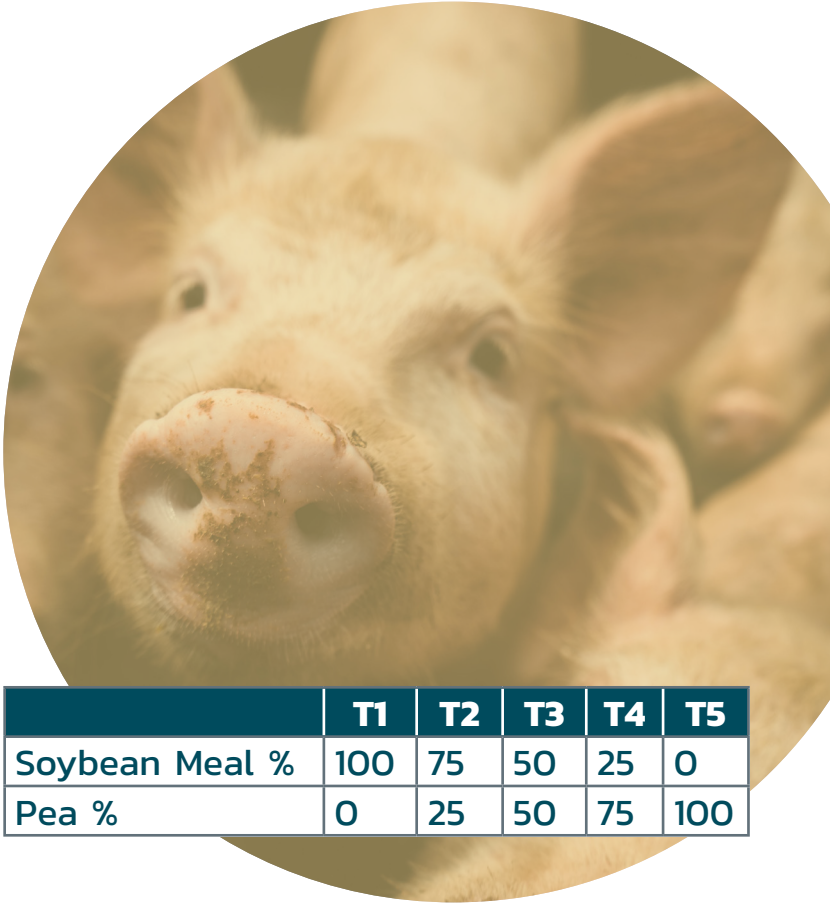
Location: Cu Chi Pig Farm, Ho Chi Minh City, Vietnam.

Conducted By: Dr. Li van Kinh, HUTECH University, Faculty of Veterinary and Animal Science

Sample: 1200 finishing pigs (Yorkshire & Landrace)

Timeline: 8 weeks

Diet: 5 treatment groups fed varying ratios of soybean meal to pea meal as the primary protein source

A circular inset image showing a close-up of a pig's face, focusing on its pink snout and eyes.

	T1	T2	T3	T4	T5
Soybean Meal %	100	75	50	25	0
Pea %	0	25	50	75	100

GROWTH PERFORMANCE

	T1 0% pea	T2 25% pea	T3 50% pea	T4 75% pea	T5 100% pea
Initial Weight (kg)	60.73	60.67	60.71	60.70	60.73
Final Weight (kg)	106.43	106.39	106.30	105.36	106.28
Average Daily Gain (g)	815.92	816.37	814.06	797.62	813.39
Daily Feed Intake (kg)	2.19	2.19	2.19	2.20	2.20
Feed Conversion Ratio	2.69	2.69	2.69	2.76	2.71
Feed cost: + 1,000 VND/kg gain	25.22 ^a	23.55 ^{ab}	22.67 ^b	22.52 ^b	21.49 ^{bc}

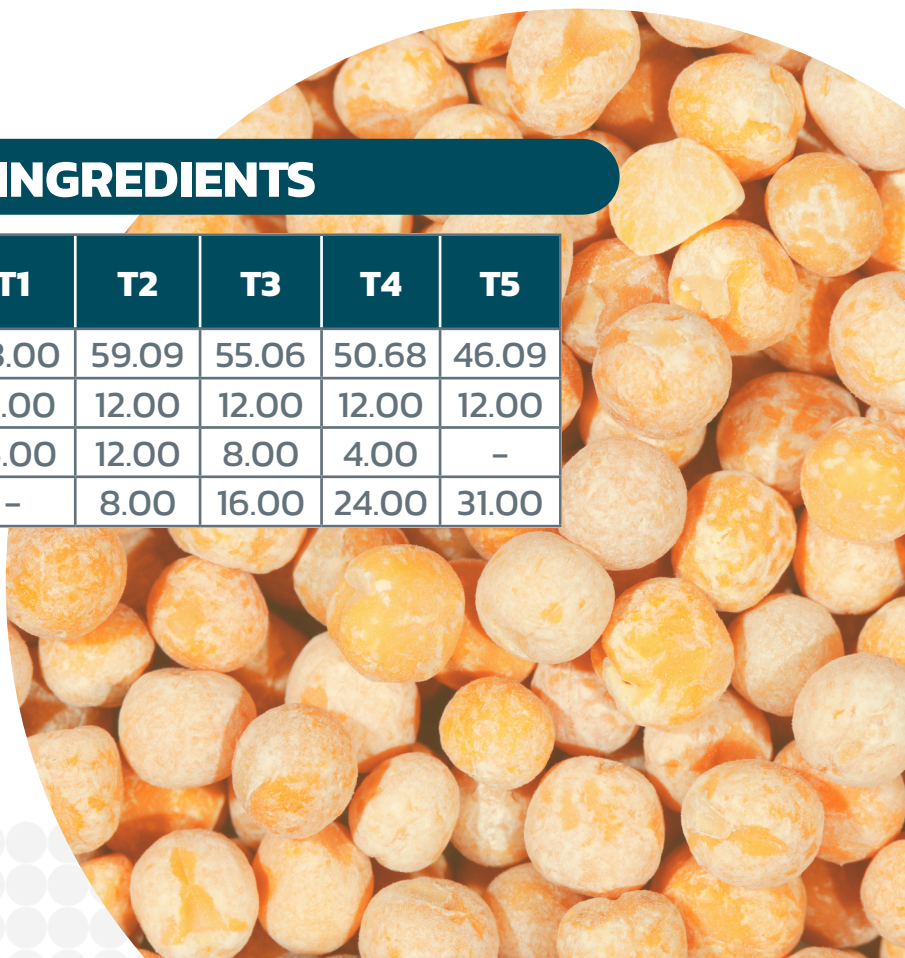
^{abc} Means with different letters are significantly different ($p < 0.05$).

MEAT QUALITY BASED ON PEA MEAL INCLUSION

	T1 0% pea	T2 25% pea	T3 50% pea	T4 75% pea	T5 100% pea
Loin muscle area (cm ²)	40.96	41.04	41.20	41.39	41.28
Backfat thickness (cm)	16.75	16.25	16.25	17.00	16.00
pH of loin at 24 hrs	5.88	5.83	5.80	5.80	5.78

DIET BREAKDOWN: FEED INGREDIENTS

Ingredients (kg/100 kg)	Price (1,000 VND/kg)	T1	T2	T3	T4	T5
Broken rice	7.80	63.00	59.09	55.06	50.68	46.09
Rice bran	6.05	12.00	12.00	12.00	12.00	12.00
Soybean meal	12.90	16.00	12.00	8.00	4.00	–
Pea seed meal	6.00	–	8.00	16.00	24.00	31.00

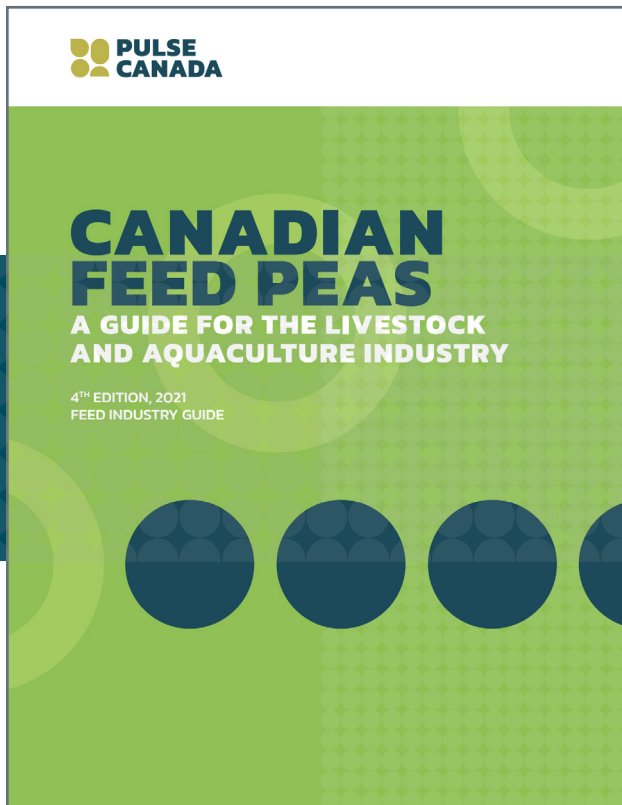


CANADIAN PEA PRODUCTION



Canada is the world's largest producer and leading exporter of feed peas. The primary use of feed peas around the world is in swine, poultry, and aquaculture diets. Peas are an excellent, palatable feed ingredient that can be added to swine diets at a high inclusion rate, especially in the growing and finishing stages. Peas are a good source of amino acids and energy and can replace cereals and protein ingredients in swine diets.

Peas are a multi-purpose feed ingredient due to their high protein and starch content.



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