

ONTARIO FARM INPUT MONITORING PROJECT
SURVEY # 1 – April 16, 2025
ECONOMICS AND BUSINESS GROUP, RIDGETOWN CAMPUS - U of G

Background

The Ontario Farm Input Monitoring Project is a survey of farm supply stores to collect cash retail prices that commercial farmers pay, when purchasing bulk fuels, fertilizers, and pesticides. Prices are collected on 45 farm inputs from 8 centres in Ontario, 3 in Michigan, 1 in Ohio and 1 in Indiana. Enumerators obtained current pricing from a minimum of 3 retail outlets in their assigned centre using the pre-designed survey form.

Results

(i) Ontario Prices

This is the first survey for 2025. On April 16, 2025, the Canadian dollar was lower than the U.S. dollar (\$1 C = \$0.7199 US).

Fuel prices showed that Regular Unleaded Gasoline prices averaged \$1.12 per litre, Diesel Fuel (coloured) averaged \$1.16 per litre and Propane (farm dryer) prices averaged \$0.64 per litre.

Urea prices ranged from \$715 to \$890 a tonne with an average price of \$819. Nitrogen Solution (UAN) 28% prices ranged from \$425 to \$645 with an average price of \$560 per tonne. Mono-Ammonium Phosphate prices varied from \$1,090 to \$1,205 per tonne with an average price of \$1,164. Muriate of Potash prices averaged \$678 per tonne with a range from \$615 to \$740.

With respect to pesticide prices, 2,4-D Amine prices ranged from \$8.98 to \$13.10 per litre with an average of \$10.94. Callisto prices ranged from \$95.54 to \$120.42 per litre. Roundup WeatherMAX prices averaged \$8.10 per litre while Dual II Magnum prices averaged \$40.88 per litre and Pursuit averaged \$156.16 per litre. Sencor prices averaged \$73.67 per kilogram. The price for Halex GT ranged from \$15.64 to \$19.38 with an average of \$17.81 per litre. Prowl H2O prices averaged \$19.30 per litre. Coragen MaX prices ranged from \$604.00 to \$685.50 per litre. Miravis Ace averaged \$65.62 per litre.

Ontario product prices when compared to April 17, 2024, showed that fuel prices on average were down 15%, fertilizer prices were up 2% on average, and pesticide prices were up slightly. The Canadian dollar was down \$0.01 or 1% relative to the U.S. dollar from a year ago.

Since the previous survey on October 2, 2024, changes in average prices showed that the fuel products group was down 11% and the fertilizer products group was up 5%. Pesticide products as a group were similar. The Canadian dollar was down \$0.02 or 3% relative to the U.S. dollar.

(ii) Comparison Between Ontario and Nearby U.S. States

Some of the products higher priced in Ontario include: Regular Unleaded Gasoline +8%; Diesel Fuel (coloured) +16%; Accent IS +46%; Callisto +10%; Classic +50%; Dual II Magnum +33%; Pursuit +12%; and Sevin +44%.

Products lower priced in Ontario include: Ammonium Sulphate -22%; Urea 46% -12%; Mono-Ammonium Phosphate -9%; Muriate of Potash -6%; 2,4-D Amine -8%; Acuron -25%; Boundary LQD -7%; Enlist 1 -34%; Halex GT -18%; Prowl -7%; Delaro Complete -45%; Prosaro Pro -14%; and Miravis Ace -23%.

The exact implications at the farm level of this variability between Ontario and the U.S. for farm inputs depends greatly on individual producer product selections and purchase timing.

Appreciation is extended to Agriculture & Agri-Food Canada for funding this project.

ONTARIO/U.S. FARM INPUT MONITORING PROJECT
SURVEY # 1 – April 16, 2025
ECONOMICS AND BUSINESS SECTION, RIDGETOWN CAMPUS - U OF G

Background

The Ontario/U.S. Farm Input Monitoring Project is a survey of farm supply stores to collect cash retail prices that commercial farmers pay, when purchasing bulk fuels, fertilizers, and pesticides. Prices are collected on 45 farm inputs from 8 centres in Ontario, 3 in Michigan, 1 in Ohio and 1 in Indiana. Enumerators obtained current pricing from a minimum of 3 retail outlets in their assigned centre using the pre-designed survey form.

Results

(i) U.S. Prices

This is the first survey for 2025. On April 16, 2025, the Canadian dollar was lower than the U.S. dollar (\$1 C = \$0.7199 US).

Fuel prices showed that Regular Unleaded Gasoline prices averaged \$2.82 per gallon, Diesel Fuel (farm) averaged \$2.73 per gallon and Propane (farm dryer) prices averaged \$1.96 per gallon.

Fertilizer prices showed Urea prices ranging from \$580 to \$645 a ton with an average price of \$607. Nitrogen Solution (UAN) 28% prices averaged \$418 per ton. Mono-Ammonium Phosphate prices ranged from \$785 to \$895 with an average price of \$833 per ton. Muriate of Potash prices averaged \$470 per ton with a range from \$420 to \$550.

With respect to pesticide prices, Atrazine prices ranged from \$14.11 to \$22.91 per gallon with an average of \$19.47. Callisto prices averaged \$272.80 per gallon while Dual II Magnum averaged \$83.81 per gallon. Prowl H20 prices ranged from \$43.29 to \$72.07 per gallon. The price for Miravis Ace varied from \$195.00 to \$260.08 with an average price of \$231.91 per gallon. Warrior II prices ranged from \$213.13 to \$446.87 per gallon.

U.S. product prices when compared to April 17, 2024, showed that fuel prices on average were down 7%, fertilizer prices were up 4% on average, and pesticide prices on average were down 1%. The Canadian dollar was down \$0.01 or 1% relative to the U.S. dollar from a year ago.

Since the previous survey on October 2, 2024, changes in average prices showed that the fuel products group was up 4%, the fertilizer products as a group were up 9% and the pesticide products as a group were down 2%. The Canadian dollar was down \$0.02 or 3% relative to the U.S. dollar.

(ii) Comparison Between Ontario and Nearby U.S. States

Some of the products higher priced in Ontario include: Regular Unleaded Gasoline +8%; Diesel Fuel (coloured) +16%; Accent IS +46%; Callisto +10%; Classic +50%; Dual II Magnum +33%; Pursuit +12%; and Sevin +44%.

Products lower priced in Ontario include: Ammonium Sulphate -22%; Urea 46% -12%; Mono-Ammonium Phosphate -9%; Muriate of Potash -6%; 2,4-D Amine -8%; Acuron -25%; Boundary LQD -7%; Enlist 1 -34%; Halex GT -18%; Prowl -7%; Delaro Complete -45%; Prosaro Pro -14%; and Miravis Ace -23%.

The exact implications at the farm level of this variability between Ontario and the U.S. for farm inputs depends greatly on individual producer product selections and purchase timing.

DATA COLLECTION METHODOLOGY

Survey Details

- Sample size - Approximately 24 Ontario and 15 U.S. retail outlets were surveyed.
- Method - The fertilizer and pesticide prices were obtained by personal visits to a cross section of outlet stores. Petroleum prices were collected by a combination of both personal visit and phone.
- Locations - Refers to geographic trading areas.

Terms and Conditions

- Price - The price collected was defined as the cash retail price an average commercial farmer would pay when purchasing a minimum amount of fuel, fertilizer, and pesticide.
- Volume - Price reductions due to large volumes, bulk purchases, special memberships, or yearend sales incentives were not considered. Price quotes were for cash and carry.
- Services - All additional services i.e. delivery, testing or application, were excluded from the price quote.
- Levy - The Canadian container recycling levy was not subtracted from the Canadian price.
- Petroleum - In Ontario the fuel tank and pump is assumed to be owned by the fuel supplier while in the U.S. the tank and pump is owned by the farmer.

Price Comparisons

- Exchange - The April 16, 2025 daily average rate for the Bank of Canada was used. i.e. \$1.3890 Canadian equals \$1 U.S. (or \$0.7199 U.S. equals \$1 Canadian)
- Average - The arithmetic average of all price quotes for each geographic centre was calculated.
- Conversion - U.S. prices were converted to their Canadian equivalent by adjusting for exchange rate, measure, and concentration.
- Values - For mixing cost, \$.01 designates no charge.
- GST - Where applicable, GST was excluded from the input cost.

Price Comparison in Canadian Dollars Between Ontario and Nearby American States for Apr 16, 2025

ONTARIO PRODUCT	UNIT	ALL ONT. LOCATIONS			ALL U.S. LOCATIONS		
		MIN	MAX	AVG	MIN	MAX	AVG
Regular Unleaded Gasoline	LITRE	0.90	1.24	1.12	0.87	1.36	1.04
Diesel Fuel (coloured)	LITRE	1.05	1.31	1.16	0.84	1.21	1.00
Propane (farm dryer)	LITRE	0.51	0.90	0.64	0.59	1.05	0.72
Ammonium Sulphate 21-0-0-24	TONNE	610.00	800.00	722.65	803.82	1033.49	927.59
Urea 46%	TONNE	715.00	890.00	819.33	888.03	987.56	930.01
Nitrogen Solution (UAN) 28%	TONNE	425.00	645.00	559.88	535.88	704.30	639.40
Mono-Ammonium Phosphate 11-52-0	TONNE	1090.00	1205.00	1163.56	1201.91	1370.33	1275.18
Di-Ammonium Phosphate 18-46-0	TONNE				1178.94	1307.82	1244.65
Triple Superphosphate 0-46-0	TONNE						
Muriate of Potash 60%	TONNE	615.00	740.00	678.18	643.06	842.10	720.08
Liquid 6-24-6	TONNE	1090.00	1584.00	1322.38	1311.20	1653.58	1482.39
Liquid 10-34-0	TONNE	1099.00	1300.00	1146.57	972.25	1224.88	1112.28
Mixing Charge (no GST or PST)	TONNE	10.00	30.00	16.17	15.31	30.62	20.41
2,4-D Amine 600 (564 g/l EC)	LITRE	8.98	13.10	10.94	7.91	15.41	11.91
Accent IS (54.55% DF)	GRAM	1.62	1.92	1.79	1.00	1.40	1.23
Acuron (7.1 g, 28.5 g, 257, 120 g/L)	LITRE	17.19	21.30	19.75	13.21	33.43	26.35
Armezon (336 g/L SU)	ML	0.80	0.99	0.93	0.76	1.78	1.01
Atrazine 480 (480 g/l SU)	LITRE	15.60	18.60	17.82	5.18	8.41	7.14
Authority Supreme (2@250 g/L, SC)	LITRE	130.08	158.38	149.12	48.44	239.21	151.34
Boundary LQD (628 g/L, 149 g/L EC)	LITRE	22.93	28.50	26.36	12.75	34.91	28.47
Callisto 480 SC (480 g/L SC)	LITRE	95.54	120.42	109.91	29.82	136.88	100.11
Classic (25% WG)	GRAM	1.00	1.55	1.34	0.52	1.15	0.89
Dual II Magnum (915 g/l EC)	LITRE	34.25	45.00	40.88	24.73	36.63	30.76
Enlist 1 (454 g/L SN)	LITRE	14.20	17.55	15.65	20.49	29.73	23.59
Halex GT (2 @ 250 g/L, 1 @ 25 g/L)	LITRE	15.64	19.38	17.81	16.32	27.28	21.80
Integrity (68 g/L, 600 g/L EC)	LITRE	62.67	82.22	73.92	66.54	106.43	83.01
MCPA Amine 500 (500 g/l SN)	LITRE	9.00	15.00	12.44	12.84	20.06	15.35
Pardner (280 g/l EC)	LITRE	20.63	28.00	25.45			
Prowl H2O (455 g/L EC)	LITRE	16.30	21.91	19.30	15.89	26.45	20.81
Pursuit (240 g/l SN)	LITRE	118.48	183.33	156.16	96.15	205.14	138.82
Reflex (240 g/L EC)	LITRE	48.73	60.50	55.72	22.82	25.53	24.58
Roundup WeatherMAX (540 g/l SN)	LITRE	6.68	9.95	8.10	7.91	11.24	8.92
Sencor 75 DF (75% WG)	KILOG	64.52	83.20	73.67	34.60	50.22	40.95
Coragen MaX (600 g/L SU)	LITRE	604.00	685.50	657.59	234.94	563.32	370.57
Delegate (25% WG)	GRAM	0.35	0.53	0.46	0.46	0.67	0.58
Malathion 500 EC (500 g/l EC)	LITRE	18.00	43.50	36.30	18.99	35.74	25.86
Matador 120EC (120 g/L EC)	LITRE	171.30	207.67	191.08	37.65	78.95	63.32
Pounce (384 g/L EC)	LITRE	57.75	85.00	63.75	19.76	39.40	31.31
Sevin XLR+ (480 g/l LI)	LITRE	36.50	52.80	44.13	24.22	35.50	30.66
Bravo (500 g/l SC)	LITRE	16.41	21.90	18.60	8.88	12.86	10.70
Delaro Complete (176.2g, 154g, 128.3	LITRE	74.33	97.75	90.22	129.27	205.38	164.96
Miravis Ace (150 g/L, 125 g/L)	LITRE	56.17	85.19	65.62	71.56	95.44	85.10
Nova 40 W (40% WP)	KILOG	205.36	323.21	286.67	206.76	214.11	211.66
Prosaro Pro (1@200 g, 2@100g/L SU)	LITRE	67.55	89.79	80.86	39.05	117.11	93.59
Sphaerex (112.5 g/L, 187.5 g/L EC)	LITRE	80.69	115.38	105.03	37.87	120.62	104.52
Ethrel (240 g/l LI)	LITRE	24.82	33.30	27.44	7.30	9.91	8.75

Exchange Rate: 1.389

PRICE COMPARISON BETWEEN ONTARIO AND NEARBY AMERICAN STATES FOR APRIL 16, 2025
AVERAGE ONTARIO/U.S. PRICE IN CDN DOLLARS AND PERCENT DIFFERENCE

ONTARIO PRODUCT	UNIT	AVERAGE ONTARIO PRICE	AVERAGE U.S. PRICE	ONTARIO VS U.S.	ONTARIO 2025 VS ON 2024
Regular Unleaded Gasoline	LITRE	\$1.12	\$1.04	7.8%	-22.3%
Diesel Fuel (coloured)	LITRE	\$1.16	\$1.00	15.8%	-16.6%
Propane (farm dryer)	LITRE	\$0.64	\$0.72	-11.8%	-6.9%
Ammonium Sulphate 21-0-0-24	TONNE	\$722.65	\$927.59	-22.1%	8.4%
Urea 46%	TONNE	\$819.33	\$930.01	-11.9%	1.2%
Nitrogen Solution (UAN) 28%	TONNE	\$559.88	\$639.40	-12.4%	3.3%
Mono-Ammonium Phosphate 11-52-0	TONNE	\$1,163.56	\$1,275.18	-8.8%	7.6%
Di-Ammonium Phosphate 18-46-0	TONNE		\$1,244.65		
Triple Superphosphate 0-46-0	TONNE				
Muriate of Potash 60%	TONNE	\$678.18	\$720.08	-5.8%	-10.5%
Liquid 6-24-6	TONNE	\$1,322.38	\$1,482.39	-10.8%	0.6%
Liquid 10-34-0	TONNE	\$1,146.57	\$1,112.28	3.1%	0.7%
Mixing Charge (no GST or PST)	TONNE	\$16.17	\$20.41	-20.8%	-2.0%
2,4-D Amine 600 (564 g/l EC)	LITRE	\$10.94	\$11.91	-8.2%	-2.9%
Accent IS (54.55% DF)	GRAM	\$1.79	\$1.23	46.1%	2.9%
Acuron (7.1 g, 28.5 g, 257, 120 g/L)	LITRE	\$19.75	\$26.35	-25.0%	1.7%
Armezon (336 g/L SU)	ML	\$0.93	\$1.01	-7.9%	1.6%
Atrazine 480 (480 g/l SU)	LITRE	\$17.82	\$7.14	149.4%	9.6%
Authority Supreme (2@250 g/L, SC)	LITRE	\$149.12	\$151.34	-1.5%	1.3%
Boundary LQD (628 g/L, 149 g/L EC)	LITRE	\$26.36	\$28.47	-7.4%	0.4%
Callisto 480 SC (480 g/L SC)	LITRE	\$109.91	\$100.11	9.8%	-0.5%
Classic (25% WG)	GRAM	\$1.34	\$0.89	50.2%	1.7%
Dual II Magnum (915 g/l EC)	LITRE	\$40.88	\$30.76	32.9%	-1.7%
Enlist 1 (454 g/L SN)	LITRE	\$15.65	\$23.59	-33.6%	3.4%
Halex GT (2 @ 250 g/L, 1 @ 25 g/L)	LITRE	\$17.81	\$21.80	-18.3%	-2.5%
Integrity (68 g/L, 600 g/L EC)	LITRE	\$73.92	\$83.01	-11.0%	-1.0%
MCPA Amine 500 (500 g/l SN)	LITRE	\$12.44	\$15.35	-19.0%	-7.1%
Pardner (280 g/l EC)	LITRE	\$25.45			-0.2%
Prowl H2O (455 g/L EC)	LITRE	\$19.30	\$20.81	-7.2%	2.2%
Pursuit (240 g/l SN)	LITRE	\$156.16	\$138.82	12.5%	-1.1%
Reflex (240 g/L EC)	LITRE	\$55.72	\$24.58	126.7%	0.0%
Roundup WeatherMAX (540 g/l SN)	LITRE	\$8.10	\$8.92	-9.1%	-4.8%
Sencor 75 DF (75% WG)	KILOG	\$73.67	\$40.95	79.9%	0.1%
Coragen MaX (600 g/L SU)	LITRE	\$657.59	\$370.57	77.5%	-0.6%
Delegate (25% WG)	GRAM	\$0.46	\$0.58	-21.7%	-1.2%
Malathion 500 EC (500 g/l EC)	LITRE	\$36.30	\$25.86	40.4%	13.4%
Matador 120EC (120 g/L EC)	LITRE	\$191.08	\$63.32	201.7%	-0.9%
Pounce (384 g/L EC)	LITRE	\$63.75	\$31.31	103.6%	-0.5%
Sevin XLR+ (480 g/l LI)	LITRE	\$44.13	\$30.66	43.9%	-1.9%
Bravo (500 g/l SC)	LITRE	\$18.60	\$10.70	73.8%	3.1%
Delaro Complete (176.2g, 154g, 128.3g)	LITRE	\$90.22	\$164.96	-45.3%	-2.4%
Miravis Ace (150 g/L, 125 g/L)	LITRE	\$65.62	\$85.10	-22.9%	1.2%
Nova 40 W (40% WP)	KILOG	\$286.67	\$211.66	35.4%	-3.9%
Prosaro Pro (1@200 g, 2@100g/L SU)	LITRE	\$80.86	\$93.59	-13.6%	0.4%
Sphaerex (112.5 g/L, 187.5 g/L EC)	LITRE	\$105.03	\$104.52	0.5%	0.1%
Ethrel (240 g/l LI)	LITRE	\$27.44	\$8.75	213.5%	1.1%

Exchange Rate: 1.389

Seed Pricing (April 16, 2025)

Exchange Rate: 1.3890

Commodity	Unit	Ontario (\$CAD)			U.S. (\$CAD)			Ontario vs. U.S. AVG
		MIN	MAX	AVG	MIN	MAX	AVG	
Wheat	22.7 kg	14.00	39.90	32.17	26.74	73.62	48.52	-33.7%
Corn RR	80,000 seeds	287.00	425.00	384.11	368.09	548.66	441.25	-12.9%
Corn Conventional	80,000 seeds	233.00	353.00	274.38	291.69	458.37	373.45	-26.5%
Soybean RR	140,000 seeds	67.47	104.00	87.89	79.15	113.90	91.75	-4.2%
Soybean Conventional	22.7 kg	40.45	82.00	65.77	48.62	105.56	77.80	-15.5%

Commodity	Unit	U.S. (\$USD)			Ontario (\$USD)			U.S. vs. Ontario AVG
		MIN	MAX	AVG	MIN	MAX	AVG	
Wheat	50 lb	19.25	53.00	34.93	10.08	28.73	23.16	33.7%
Corn RR	80,000 seeds	265.00	395.00	317.67	206.62	305.98	276.54	12.9%
Corn Conventional	80,000 seeds	210.00	330.00	268.86	167.75	254.14	197.54	26.5%
Soybean RR	140,000 seeds	56.98	82.00	66.06	48.57	74.87	63.27	4.2%
Soybean Conventional	50 lb	35.00	76.00	56.01	29.12	59.04	47.35	15.5%

Note: The price collected was defined as the cash retail price that a commercial farmer would pay when purchasing a minimum amount of seed. Seed varieties vary by location.