

ONTARIO FARM INPUT MONITORING PROJECT
SURVEY # 2 – October 2, 2024
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 second survey for 2024. On October 2, 2024, the Canadian dollar was lower than the U.S. dollar (\$1 C = \$0.7412 US).

Fuel prices showed that Regular Unleaded Gasoline prices averaged \$1.25 per litre, Diesel Fuel (coloured) averaged \$1.30 per litre and Propane (farm dryer) prices averaged \$0.72 per litre.

Urea prices ranged from \$695 to \$851 a tonne with an average price of \$782. Nitrogen Solution (UAN) 28% prices ranged from \$380 to \$710 with an average price of \$524 per tonne. Mono-Ammonium Phosphate prices varied from \$1,025 to \$1,225 per tonne with an average price of \$1,075. Muriate of Potash prices averaged \$682 per tonne with a range from \$575 to \$890.

With respect to pesticide prices, 2,4-D Amine prices ranged from \$8.91 to \$19.24 per litre with an average of \$11.44. Callisto prices ranged from \$94.77 to \$123.21 per litre. Roundup WeatherMAX prices averaged \$8.37 per litre while Dual II Magnum prices averaged \$41.29 per litre and Pursuit averaged \$155.78 per litre. Sencor prices averaged \$73.66 per kilogram. The price for Halex GT ranged from \$15.15 to \$20.59 with an average of \$18.13 per litre. Prowl H20 prices averaged \$18.82 per litre. Coragen MaX prices ranged from \$600.00 to \$685.50 per litre. Miravis Ace averaged \$64.79 per litre.

Ontario product prices when compared to October 4, 2023, showed that fuel prices on average were down 7%, fertilizer prices were down 5% on average, and pesticide prices were up 1%. The Canadian dollar was up \$0.01 or 2% relative to the U.S. dollar from a year ago.

Since the previous survey on April 17, 2024, changes in average prices showed that the fuel products group was down 5% and the fertilizer products group was down 3%. Pesticide products as a group were up slightly. The Canadian dollar was up \$0.02 or 2% 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 +18%; Diesel Fuel (coloured) +25%; Muriate of Potash 60% +1%; 2,4-D Amine 600 +22%; Callisto +9%; Classic +24%; Dual II Magnum +19%; Pursuit +13%; and Sencor +72%.

Products lower priced in Ontario include: Urea 46% -3%; Mono-Ammonium Phosphate -11%; Acuron -30%; Boundary LQD -16%; Enlist 1 -36%; Halex GT -20%; MCPA Amine 500 -8%; Prowl -12%; Delaro Complete -40%; Prosaro Pro -4%; and Miravis Ace -19%.

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 # 2 – October 2, 2024
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 second survey for 2024. On October 2, 2024, the Canadian dollar was lower than the U.S. dollar (\$1 C = \$0.7412 US).

Fuel prices showed that Regular Unleaded Gasoline prices averaged \$2.97 per gallon, Diesel Fuel (farm) averaged \$2.90 per gallon and Propane (farm dryer) prices averaged \$1.59 per gallon.

Fertilizer prices showed Urea prices ranging from \$480 to \$605 a ton with an average price of \$545. Nitrogen Solution (UAN) 28% prices averaged \$377 per ton. Mono-Ammonium Phosphate prices ranged from \$775 to \$840 with an average price of \$814 per ton. Muriate of Potash prices averaged \$454 per ton with a range from \$395 to \$555.

With respect to pesticide prices, Atrazine prices ranged from \$16.88 to \$25.75 per gallon with an average of \$21.03. Halex GT prices averaged \$63.70 per gallon while Dual II Magnum averaged \$97.02 per gallon. Prowl H20 prices ranged from \$44.65 to \$71.35 per gallon. The price for Miravis Ace varied from \$180.00 to \$247.13 with an average price of \$223.79 per gallon. Warrior II prices ranged from \$210.00 to \$446.87 per gallon.

U.S. product prices when compared to October 4, 2023, showed that fuel prices on average were down 9%, fertilizer prices were down 5% on average, and pesticide prices on average were down 6%. The Canadian dollar was up \$0.01 or 2% relative to the U.S. dollar from a year ago.

Since the previous survey on April 17, 2024, changes in average prices showed that the fuel products group was down 11%, the fertilizer products as a group were down 4% and the pesticide products as a group were up slightly. The Canadian dollar was up \$0.02 or 2% 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 +18%; Diesel Fuel (coloured) +25%; Muriate of Potash 60% +1%; 2,4-D Amine 600 +22%; Callisto +9%; Classic +24%; Dual II Magnum +19%; Pursuit +13%; and Sencor +72%.

Products lower priced in Ontario include: Urea 46% -3%; Mono-Ammonium Phosphate -11%; Acuron -30%; Boundary LQD -16%; Enlist 1 -36%; Halex GT -20%; MCPA Amine 500 -8%; Prowl -12%; Delaro Complete -40%; Prosaro Pro -4%; and Miravis Ace -19%.

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 October 2, 2024 daily average rate for the Bank of Canada was used. i.e. \$1.3491 Canadian equals \$1 U.S. (or \$0.7412 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 Oct 02, 2024

ONTARIO PRODUCT	UNIT	ALL ONT. LOCATIONS			ALL U.S. LOCATIONS		
		MIN	MAX	AVG	MIN	MAX	AVG
Regular Unleaded Gasoline	LITRE	1.05	1.43	1.25	0.89	1.14	1.06
Diesel Fuel (coloured)	LITRE	1.13	1.46	1.30	0.94	1.09	1.04
Propane (farm dryer)	LITRE	0.58	0.88	0.72	0.50	0.70	0.57
Ammonium Sulphate 21-0-0-24	TONNE	595.00	770.00	668.98	579.97	869.96	702.37
Urea 46%	TONNE	695.00	850.60	782.48	713.81	899.70	810.15
Nitrogen Solution (UAN) 28%	TONNE	380.00	710.00	523.62	438.70	762.89	560.43
Mono-Ammonium Phosphate 11-52-0	TONNE	1025.00	1225.00	1074.51	1152.51	1249.17	1210.01
Di-Ammonium Phosphate 18-46-0	TONNE				1048.41	1191.18	1121.88
Triple Superphosphate 0-46-0	TONNE						
Muriate of Potash 60%	TONNE	575.00	890.00	681.80	587.41	825.35	675.42
Liquid 6-24-6	TONNE	1166.00	1423.22	1272.20	1447.70	1447.70	1447.70
Liquid 10-34-0	TONNE	979.00	1300.00	1117.11	855.09	1093.03	972.57
Mixing Charge (no GST or PST)	TONNE	10.00	30.00	15.18	29.74	37.18	32.22
2,4-D Amine 600 (564 g/l EC)	LITRE	8.91	19.24	11.44	6.40	10.80	9.37
Accent IS (54.55% DF)	GRAM	1.62	1.82	1.74	1.07	1.29	1.21
Acuron (7.1 g, 28.5 g, 257, 120 g/L)	LITRE	17.05	21.30	19.69	23.51	32.90	28.29
Armezon (336 g/L SU)	ML	0.79	0.97	0.91	0.84	1.17	0.95
Atrazine 480 (480 g/l SU)	LITRE	15.10	18.10	17.27	6.02	9.18	7.50
Authority Supreme (2@250 g/L, SC)	LITRE	127.41	155.37	147.13	148.09	232.34	184.56
Boundary LQD (628 g/L, 149 g/L EC)	LITRE	22.75	28.50	26.18	11.39	37.72	31.11
Callisto 480 SC (480 g/L SC)	LITRE	94.77	123.21	110.51	51.75	132.53	101.03
Classic (25% WG)	GRAM	1.04	1.52	1.29	0.81	1.24	1.03
Dual II Magnum (915 g/l EC)	LITRE	36.00	45.00	41.29	23.17	40.66	34.58
Enlist 1 (454 g/L SN)	LITRE	12.50	17.16	15.18	20.41	28.28	23.76
Halex GT (2 @ 250 g/L, 1 @ 25 g/L)	LITRE	15.15	20.59	18.13	16.68	24.61	22.70
Integrity (68 g/L, 600 g/L EC)	LITRE	62.23	82.22	73.79	61.31	104.13	80.26
MCPA Amine 500 (500 g/l SN)	LITRE	11.00	21.00	14.26	9.67	18.93	15.45
Pardner (280 g/l EC)	LITRE	21.48	27.50	25.25	26.59	26.65	26.61
Prowl H2O (455 g/L EC)	LITRE	15.75	21.35	18.82	15.91	25.43	21.43
Pursuit (240 g/l SN)	LITRE	118.18	178.79	155.78	102.43	189.24	137.26
Reflex (240 g/L EC)	LITRE	48.34	60.50	55.73	19.75	24.09	22.99
Roundup WeatherMAX (540 g/l SN)	LITRE	7.50	10.06	8.37	7.13	13.75	9.98
Sencor 75 DF (75% WG)	KILOG	64.89	81.00	73.66	34.95	52.73	42.80
Coragen MaX (600 g/L SU)	LITRE	600.00	685.50	653.35	336.98	444.43	362.60
Delegate (25% WG)	GRAM	0.40	0.51	0.46	0.53	0.64	0.59
Malathion 500 EC (500 g/l EC)	LITRE	18.90	40.70	34.71	20.67	33.72	26.27
Matador 120EC (120 g/L EC)	LITRE	177.25	207.67	192.40	36.03	76.68	56.95
Pounce (384 g/L EC)	LITRE	58.11	85.00	64.88	22.92	38.46	31.39
Sevin XLR+ (480 g/l LI)	LITRE	32.16	52.80	44.02	23.29	31.81	28.57
Bravo (500 g/l SC)	LITRE	16.41	20.20	17.95	6.67	10.50	8.11
Delaro Complete (176.2g, 154g, 128.3	LITRE	79.11	100.68	91.92	116.28	195.44	153.07
Miravis Ace (150 g/L, 125 g/L)	LITRE	57.53	70.13	64.79	64.16	88.09	79.76
Nova 40 W (40% WP)	KILOG	276.78	323.19	296.42	196.54	208.91	202.01
Prosaro Pro (1@200 g, 2@100g/L SU)	LITRE	70.15	86.49	81.21	36.41	108.64	84.42
Sphaerex (112.5 g/L, 187.5 g/L EC)	LITRE	78.15	113.29	104.23	93.21	109.43	105.46
Ethrel (240 g/l LI)	LITRE	24.82	32.13	26.77	6.99	12.22	8.32

Exchange Rate: 1.3491

**PRICE COMPARISON BETWEEN ONTARIO AND NEARBY AMERICAN STATES FOR OCTOBER 2, 2024
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 2024 VS ON 2023
Regular Unleaded Gasoline	LITRE	1.25	1.06	18.5%	-10.6%
Diesel Fuel (coloured)	LITRE	1.30	1.04	25.1%	-19.1%
Propane (farm dryer)	LITRE	0.72	0.57	27.0%	8.1%
Ammonium Sulphate 21-0-0-24	TONNE	668.98	702.37	-4.8%	
Urea 46%	TONNE	782.48	810.15	-3.4%	-14.2%
Nitrogen Solution (UAN) 28%	TONNE	523.62	560.43	-6.6%	-14.3%
Mono-Ammonium Phosphate 11-52-0	TONNE	1,074.51	1,210.01	-11.2%	13.3%
Di-Ammonium Phosphate 18-46-0	TONNE		1,121.88		
Triple Superphosphate 0-46-0	TONNE				
Muriate of Potash 60%	TONNE	681.80	675.42	0.9%	-8.6%
Liquid 6-24-6	TONNE	1,272.20	1,447.70	-12.1%	-2.5%
Liquid 10-34-0	TONNE	1,117.11	972.57	14.9%	-3.1%
Mixing Charge (no GST or PST)	TONNE	15.18	32.22	-52.9%	-9.1%
2,4-D Amine 600 (564 g/l EC)	LITRE	11.44	9.37	22.0%	-15.3%
Accent IS (54.55% DF)	GRAM	1.74	1.21	43.8%	
Acuron (7.1 g, 28.5 g, 257, 120 g/L)	LITRE	19.69	28.29	-30.4%	-0.5%
Armezon (336 g/L SU)	ML	0.91	0.95	-3.7%	
Atrazine 480 (480 g/l SU)	LITRE	17.27	7.50	130.4%	30.8%
Authority Supreme (2@250 g/L, SC)	LITRE	147.13	184.56	-20.3%	0.9%
Boundary LQD (628 g/L, 149 g/L EC)	LITRE	26.18	31.11	-15.8%	
Callisto 480 SC (480 g/L SC)	LITRE	110.51	101.03	9.4%	-8.1%
Classic (25% WG)	GRAM	1.29	1.03	24.4%	-0.6%
Dual II Magnum (915 g/l EC)	LITRE	41.29	34.58	19.4%	0.6%
Enlist 1 (454 g/L SN)	LITRE	15.18	23.76	-36.1%	
Halex GT (2 @ 250 g/L, 1 @ 25 g/L)	LITRE	18.13	22.70	-20.2%	-8.1%
Integrity (68 g/L, 600 g/L EC)	LITRE	73.79	80.26	-8.1%	1.3%
MCPA Amine 500 (500 g/l SN)	LITRE	14.26	15.45	-7.7%	0.1%
Pardner (280 g/l EC)	LITRE	25.25	26.61	-5.1%	1.9%
Prowl H2O (455 g/L EC)	LITRE	18.82	21.43	-12.2%	3.8%
Pursuit (240 g/l SN)	LITRE	155.78	137.26	13.5%	3.2%
Reflex (240 g/L EC)	LITRE	55.73	22.99	142.4%	-0.7%
Roundup WeatherMAX (540 g/l SN)	LITRE	8.37	9.98	-16.1%	-17.2%
Sencor 75 DF (75% WG)	KILOG	73.66	42.80	72.1%	5.6%
Coragen MaX (600 g/L SU)	LITRE	653.35	362.60	80.2%	
Delegate (25% WG)	GRAM	0.46	0.59	-22.2%	0.2%
Malathion 500 EC (500 g/l EC)	LITRE	34.71	26.27	32.1%	14.8%
Matador 120EC (120 g/L EC)	LITRE	192.40	56.95	237.8%	-0.2%
Pounce (384 g/L EC)	LITRE	64.88	31.39	106.7%	-0.4%
Sevin XLR+ (480 g/l LI)	LITRE	44.02	28.57	54.1%	6.0%
Bravo (500 g/l SC)	LITRE	17.95	8.11	121.4%	-0.3%
Delaro Complete (176.2g, 154g, 128.3g)	LITRE	91.92	153.07	-40.0%	3.0%
Miravis Ace (150 g/L, 125 g/L)	LITRE	64.79	79.76	-18.8%	1.8%
Nova 40 W (40% WP)	KILOG	296.42	202.01	46.7%	-0.6%
Prosaro Pro (1@200 g, 2@100g/L SU)	LITRE	81.21	84.42	-3.8%	4.5%
Sphaerex (112.5 g/L, 187.5 g/L EC)	LITRE	104.23	105.46	-1.2%	
Ethrel (240 g/l LI)	LITRE	26.77	8.32	221.6%	9.1%

Exchange Rate: 1.3491

Seed Pricing (October 2, 2024)

Exchange Rate: 1.3491

Commodity	Unit	Ontario (\$CAD)			U.S. (\$CAD)			Ontario vs. U.S. AVG
		MIN	MAX	AVG	MIN	MAX	AVG	
Wheat	22.7 kg	31.50	45.00	33.66	24.28	59.36	34.96	-3.7%
Corn RR	80,000 seeds	295.00	425.00	364.65	385.84	540.99	460.63	-20.8%
Corn Conventional	80,000 seeds	223.00	353.00	266.97	330.53	434.41	379.97	-29.7%
Soybean RR	140,000 seeds	70.55	104.00	86.78	68.80	110.63	89.87	-3.4%
Soybean Conventional	22.7 kg	56.00	87.00	68.01	57.88	91.74	77.50	-12.2%

Commodity	Unit	U.S. (\$USD)			Ontario (\$USD)			U.S. vs. Ontario AVG
		MIN	MAX	AVG	MIN	MAX	AVG	
Wheat	50 lb	18.00	44.00	25.92	23.35	33.36	24.95	3.7%
Corn RR	80,000 seeds	286.00	401.00	341.43	218.66	315.02	270.29	20.8%
Corn Conventional	80,000 seeds	245.00	322.00	281.65	165.30	261.66	197.89	29.7%
Soybean RR	140,000 seeds	51.00	82.00	66.62	52.29	77.09	64.33	3.4%
Soybean Conventional	50 lb	42.90	68.00	57.44	41.51	64.49	50.41	12.2%

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.