CF Industries Holdings, Inc. Form 425 June 10, 2009

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Pursuant to Rule 425 under the Securities Act of 1933

Subject Company:

CF Industries Holdings, Inc.

Fundamentals of Growth Agrium: Response to CF s June 4 Form 425 Assertions June 2009

Fundamentals of Growth 2 Important Information This presentation does not constitute an offer to exchange, or a solicitation of an offer to exchange, common stock of CF Industries Holdings, Inc. (CF), nor is it a substitute for the Tender Offer Statement on Schedule TO or the Prospectus/Offer to Exchange included in the Registration Statement on Form F-4 (including the Letter of Transmittal and related documents) (collectively, as amended from time to time, the Exchange Offer Documents) filed by Agrium Inc. (Agrium) with the U.S. Securities and Exchange Commission (the SEC) on March 16, 2009, as amended. The Registration Statement on Form F-4 has not yet become effective. The offer to exchange is made only through the Exchange Offer Documents. INVESTORS AND SECURITY HOLDERS OF AGRIUM AND CF ARE URGED TO REA THE EXCHANGE OFFER DOCUMENTS AND OTHER RELEVANT MATERIALS FILED WITH THE SEC CAREFULLY IN THEIR ENTIRETY AS THEY BECOME AVAILABLE BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT THE OFFER TO EXCHANGE. Copies of any documents filed by Agrium with the SEC are available free of charge through the web site maintained by the SEC at www.sec.gov, by calling the SEC at telephone number 800-SEC-0330 or by directing a request to the Agrium Investor Relations/Media Department, Agrium Inc, 13131 Lake Fraser Drive S.E., Calgary, Alberta, Canada T2J 7E8. Free copies of any such documents can also be obtained by calling Georgeson Inc. toll-free at (866) 318-0506. Agrium, North, their respective directors and executive officers and certain other persons are deemed to be participants in any solicitation of proxies from CF s stockholders in respect of the proposed transaction with CF. Information regarding Agrium s directors and executive officers is available in its management proxy circular dated April 3, 2009 relating to the annual general meeting of its shareholders held on May 13, 2009. Other information regarding potential participants in such proxy solicitation and a description of their direct and indirect interests, by security holdings or otherwise, will be contained in any proxy statement filed in connection with the proposed transaction. All information in this presentation concerning CF, including its business, operations and financial results, was obtained from public sources. While Agrium has

no knowledge that any such information is inaccurate or incomplete, Agrium has not had the opportunity to verify any of that information.

Fundamentals of Growth 3 Forward-Looking Statements Certain statements and other information included in this presentation constitute forward-looking information

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within
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meaning
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applicable
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securities
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or
constitute
 forward-looking
statements
(together,
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All
statements
in
this
presentation, other than those relating to historical information or current condition, are forward-looking statements, including
estimates,
forecasts
and
statements
as
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expectations
with
respect
to,
among
other
things,
business
and
financial
prospects,
financial multiples and accretion estimates, future trends, plans, strategies, objectives and expectations, including with respect
operations following the proposed acquisition of CF. These forward-looking statements are subject to a number of risks and un
of which are beyond our control, which could cause actual results to differ materially from such forward-looking statements.
Events or circumstances that could cause actual results to differ materially from those in the forward-looking statements, inclu-
limited to, CF s failure to accept Agrium s proposal and enter into a definitive agreement to effect the transaction, Agrium co
issued
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acquisition
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may have а market value lower than expected, the businesses of Agrium and CF, or any other recent business acquisitions, may not be integrated successfully or such integration may be more difficult, time-consumin expected, the expected combination benefits and synergies and costs savings from the Agrium/CF transaction may not be fully realized within the expected time frame, the possible delay in the completion of the steps required to be taken for the eventual combination of the two companies, including the possibility that approvals or clearances required to be obtained from regulatory and other age will not be obtained in a timely manner or will be obtained on conditions that may require divestiture of assets expected to be a disruption from the proposed transaction making it more difficult to maintain relationships with customers, employees and sup business and economic conditions, interest

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rates,
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rates,
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conditions,
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prices,
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level for our major products, gas prices and gas availability, operating rates and production costs, domestic fertilizer consumpt
changes in government policy in key agriculture markets, including the application of price controls and tariffs on fertilizers ar
subsidies or changes in their amounts, changes in development plans, construction progress, political risks, including civil unre
armed
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or
conflict,
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and
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requirements
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by
governmental
authorities,
including
changes
in
government
policy, changes in environmental, tax and other laws or regulations and the interpretation thereof and other risk factors detailed
time in Agrium and CF s reports filed with the SEC.
Agrium
disclaims
any
intention
or
obligation
to
update
or
revise
any
forward-looking
statements
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in this presentation as а result of new information or future events, except as may be required under applicable U.S. federal securities laws or applicable Canadian se legislation. These forward-looking statements are based on certain assumptions and analyses made by us in light of our experience and perception of historical trends, current conditions and expected future developments as well as other factors we believe are appropriate in the

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circumstances. Expected future developments are based, in part, upon assumptions respecting our ability to successfully integrabulations businesses of Agrium and CF, or any other recent acquisitions.

All of the forward-looking statements contained herein are qualified by these cautionary statements and by the assumptions that inherent in such forward-looking statements. Although we believe these assumptions are reasonable, undue reliance should not these assumptions and such forward-looking statements. The key assumptions that have been made in connection with the forw statements include, but are not limited to, CF s acceptance of Agrium s proposal and the entering into of a definitive agreeme proposed transaction, closing the proposed transaction, the market value of Agrium common shares issued in connection with the acquisition, our ability to successfully integrate within expected time frames and costs, and realize the expected combination be synergies

and costs savings from, the combination of the businesses of Agrium and CF, or any other recent business acquisitions, and

our

ability to maintain relationships with customers, employees and suppliers during the course of the proposed transaction.

Fundamentals of Growth 4 Unaffected CF Share Price 1) Sector growth applied to stock price, supported by cash on balance sheet

CF s stock price supported by 16.64/share net cash (~21% of equity value)

Cash does not vary with stock price movements: growth should be applied only to operating assets

None of the global fertilizer peers have

material net cash as a % of equity value

Ref. ISS Presentation, pp. 24, 26, 28

See also p. 8 of this document 2) \$3.00/share Short Interest

Feb 23 price already ahead of peer group since Jan 15

Additional \$5.58 for trading on Feb 24 where CF significantly outperformed peers (CF up 11%, peer group up 4%)

Additional \$3.00 to this already spiked price of Feb 24

Ref. ISS Presentation, pp. 24-27, 52-53 3) Biased Start Date

Feb 24 provides CF with highest unaffected price of any starting calculation date this year

Ref. ISS Presentation, pp. 24-27, 52-53 CF Form 425 Agrium Response

Fundamentals of Growth 5 CF Stock Price Corrected 2010E Value per Share and Implied Agrium Offer Premium (1) Based on CF stated peer group of Intrepid, Israel Chemicals, K+S, Mosaic, Potash, and Yara (2) Includes option proceeds of \$46.1million or 1.758994 million options with a weighted average exercise price of \$26.22 CF Form 425 Agrium Response 1) Agrium believes the market is focused on 2010E multiple, not 2009E 2010E provides a longer-term outlook on industry profitability

Street estimates for peer group EV/EBITDA multiples are significantly lower for 2010E than 2009E

Ref. ISS Presentation, pp. 17-21 2) Street estimates for EBITDA must be adjusted for comparability

Equity research analysts differ in their inclusion of minority interest and equity investment earnings in CF s EBITDA

Consensus owned EBITDA for 2009E of \$622 million vs. 2010E of \$589 million

Ref. ISS Presentation, pp. 40-41 As at Jun 1, 2009 Base Premium (%) Applied 2010E EBITDA Multiple (1)6.4x (33%) 4.3x 2010E 'Owned' EBITDA \$589 Aggregate Value \$2.524 Debt Less Cash (2)881 Equity Value \$3,406 Fully Diluted Shares Outstanding 50.2 Value per Share \$67.87 Jun 1 Implied Agrium Offer \$89.70 Offer Implied Premium / (Discount) 32.2% Fundamentals of Growth

Fundamentals of Growth 6 Global Peers Trading Multiples 4) Minority interest not part of EV if deducted from EBITDA

Street consensus more closely approximates owned EBITDA vs. consolidated

Adding minority interest to EV when EBITDA excludes minority interest

overstates CF EV and EV/EBITDA multiple 3) Customer advances not part of EV

Essentially working capital that must be deployed for future sales

Not a source of equity or debt capital to fund operating assets

Overstates CF EV and EV/EBITDA multiple 2) Street estimates closer to owned EBITDA vs. consolidated

CF does not own all its EBITDA; need to deduct for minority interest

Ref. ISS Presentation, pp. 40-41 1) Inconsistent peer group

Includes Agrium, CF, Terra: none of these included in stock price peer group (CF pg 4) or current sector valuations (CF pg 6)

CF and Terra are both affected (1)Source: Capital IQ. Consistent peer group cited by CF in Stock Price and Sector Valuations (pp. 4 and 6, respectively

in CF s Form 225): Intrepid, Israel Chemicals, K+S, Mosaic, Potash and Yara. NTM for Q1 2008 onwards incorporates 2009E estimates; last three quarters 2009E assumes even distribution across quarters (2)Reflects leakeage of minority interest and addition of equity investment income Corrected EBITDA NTM Multiples (1) 3-Year Average Current Peers: 8.2x 7.6x CF Owned (2) : 4.0x 5.2x On an owned basis, CF is trading a full multiple of estimated EBITDA above its 3-year average actual NTM CF Form 425 Agrium Response Fundamentals of Growth

Fundamentals of Growth 7 Current Sector Valuations 3) Agrium, which is trading at the lowest multiple of CF s unaffected peers, is not included in CF s set of comparable companies 1) Agrium believes 2010E EBITDA is a more appropriate estimate to use than NTM, as it provides a longerterm outlook on industry profitability CF Form 425 Agrium Response 2)

Potash companies are trading at the highest multiples of the three main sectors (nitrogen, phosphate, and potash)

Consistent with historical trading multiples

Biases upward the average multiple for CF

Ref. ISS Presentation, p. 22

Fundamentals of Growth 8 (US\$ in millions) POT Yara IPI ICL K+S MOS CF AGU TRA CF Owned EBITDA TRA Owned

EBITDA
Price (US\$ / share)
\$
117.06
\$
33.49
\$
33.65
\$
11.84
\$
77.63
\$ 56.47
\$
\$ 80.31
\$
49.70
\$
28.60
\$
80.31
\$
28.60
Diluted Shares (mm)
304.8
289.8
75.0
1,291.7
164.8
446.7 49.7
158.4
99.7
49.7
99.7
Diluted Market Cap
\$
35,678
\$
9,707
\$
2,525
\$ 15 200
15,300 \$
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3,988 \$ 7,875 \$ 2,851 \$ 3,988 \$ 2,851 Total Debt \$ 3,364 \$ 4,187 \$ -
- \$ 1,504 \$ 285 \$ 1,388 \$ 4 \$ 1,907 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 \$ 4 \$ 330 Cash (255) (682) (102) (458) (102) (458) (199) (2,529) (839) (86) (1,020) Equity Investments (2,889) (1,685) -
(27) (33)

(301)	
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Preferred Stock	
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Enterprise Value	
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35,898	
\$	
11,555	
\$ 2,422 \$	
2,422	
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16,382	
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12,853	
\$	
23,801	
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3,141	
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9,379	
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3,153 \$ 2,163 2010E EBITDA \$ 5,025 \$ 1,715 \$ 382 \$ 2,615 \$ 2,100 \$ 4,116 \$ 602 \$ 1,881 \$ 481 \$ 589 \$ 475 EV / 2010E EBITDA 7.1 Х 6.7 х 6.3 Х 6.3 х 6.1 х 5.8 х 5.2 х 5.0 х 4.2 х 5.4 х 4.5 Х Net Debt (Net Cash)

\$ 3,109 \$ 3,505 \$(102) \$ 1,047 \$ 86 \$(1,141) \$(835) \$ 1,821 \$(690) \$(835) \$(690) Net Cash as % Mkt Cap NM NM 4.1% NM NM 4.5% 20.9% NM 24.2% 20.9% 24.2% Current Sector Valuations Source: Market data as at June 1, 2010E consensus consolidated EBITDA estimates per Bloomberg, calendarized to December. Balance sheet data per most recent company filings. Includes Potash, Yara, Intrepid, Israel Chemical, K+S, Mosaic and Agrium; excludes CF Note: Owned EBITDA estimates for CF and TRA as at May 29, and are adjusted to reflect leakage of minority interest and addition of equity investment income (1) Peers include Potash Corp, Yara, Intrepid Potash, Israel Chemicals, K+S, Mosaic and Agrium Agrium s methodology indicates an average peer EV / 2010E EBITDA multiple of 6.2x Multiples are biased upward due to potash weighting CF and TRA net cash balances significantly greater proportion of equity value vs. peers

Fundamentals of Growth 9 Market Increases vs. Agrium s Offer 2) CF s Q1 balance sheet cash increase was predictable as it came directly from the release of observed working capital

These expectations were factored at the time of Agrium s original bid

Ref. ISS Presentation, p. 23 1) Agrium does not believe CF s share price should increase in line with these composites given the reverse leverage created by the \$16.64 per share of net cash in the business

This value does not vary with stock price movements

Ref. ISS Presentation, pp. 24-28 CF Form 425 Agrium Response

Fundamentals of Growth 10 CF Shareholder Base 1) GROWMARK filed a Form 144 on May 11, 2009 giving notice of its intention to sell 1.5 million shares. Rule 144(h) under the Securities Act requires that the person filing a Form 144 have a bona fide intention to sell shares within a reasonable period of time

Ref. ISS Presentation, pp. 14-15

See also Appendix of this document (pp. 11-12) CF Form 425 Agrium Response 2) Since Growmark has made a public statement acknowledging that it has not yet sold shares, we stand corrected

Fundamentals of Growth 11 Appendix

Fundamentals of Growth 12 Appendix