

SECURITIES AND EXCHANGE COMMISSION Cocived SEC WASHINGTON, D.C. 20549

FORM 11-K

JUN 2 8 2011

ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

(Ma	rk One)			
[X]	Annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934			
	For the fiscal year ended December 31, 2010			
	or			
[]	Transition report pursuant to Section 15(d) of the Securities Exchange Act of 1934			
	For the transition period from to			
	Commission file number 1-13397			

- A. Corn Products International, Inc. Retirement Savings Plan for Mapleton Hourly Employees (Full title of the plan)
- B. Corn Products International, Inc., 5 Westbrook Corporate Center, Westchester, Illinois 60154 (Name of issuer of the securities held pursuant to the plan and the address of its principal executive office)

REQUIRED INFORMATION

The following financial statements are furnished for the Plan and are filed herewith in paper under Rule 101(b)(3) of Regulation S-T:

- 1. Consent of Independent Registered Public Accounting Firm.
- 2. Report of Independent Registered Public Accounting Firm.
- 3. Statement of Net Assets Available for Plan Benefits as of December 31, 2010 and 2009.
- 4. Statement of Changes in Net Assets Available for Plan Benefits for the fiscal year ended December 31, 2010.
- 5. Notes to Plan Financial Statements.
- 6. Supplemental Schedule.

SIGNATURES

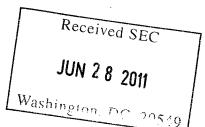
The Plan. Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefits plan) have duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

Corn Products International, Inc. Retirement Savings Plan for Mapleton Hourly Employees

Date: June 27, 2011

By:

Mame: John Surowiec Title: Plan Administrator



CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in Registration Statement No. 333-36331 on Form S-8 of Corn Products International, Inc. of our report dated June 27, 2011 appearing in this Annual Report on Form 11-K of the Corn Products International, Inc. Retirement Savings Plan for Mapleton Hourly Employees for the year ended December 31, 2010.

Crowe Horwath LLP

Crowe Horwath LLP

Oak Brook, Illinois June 27, 2011

Received SEC

JUN 2 8 2011

Washington, DC 20549

CORN PRODUCTS INTERNATIONAL, INC. RETIREMENT SAVINGS PLAN FOR MAPLETON HOURLY EMPLOYEES

Westchester, Illinois

FINANCIAL STATEMENTS

December 31, 2010 and 2009

CORN PRODUCTS INTERNATIONAL, INC. RETIREMENT SAVINGS PLAN FOR MAPLETON HOURLY EMPLOYEES Westchester, Illinois

FINANCIAL STATEMENTS December 31, 2010 and 2009

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Pension Committee Corn Products International, Inc. Retirement Savings Plan for Mapleton Hourly Employees Westchester, Illinois

We have audited the accompanying statements of net assets available for benefits of the Corn Products International, Inc. Retirement Savings Plan for Mapleton Hourly Employees ("the Plan") as of December 31, 2010 and 2009, and the related statement of changes in net assets available for benefits for the year ended December 31, 2010. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2010 and 2009, and the changes in net assets available for benefits for the year ended December 31, 2010 in conformity with U.S. generally accepted accounting principles.

Our audit was conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The Supplemental Schedule H, Line 4i – Schedule of Assets (Held at End of Year) is presented for the purpose of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. The supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in the audit of the basic 2010 financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic 2010 financial statements taken as a whole.

Crowe Horwath LLP

Crowe Horwath LLP

Oak Brook, Illinois June 27, 2011

CORN PRODUCTS INTERNATIONAL, INC. RETIREMENT SAVINGS PLAN FOR MAPLETON HOURLY EMPLOYEES

Statements of Net Assets Available for Benefits December 31, 2010 and 2009

	2	010	2009
Investments – at fair value (Notes 2 and 3) Investments	\$	482,629_	\$ 240,221
Receivables Employer contributions Participants contributions Notes receivable from participants Total receivables		18,959 18,959	3,103 3,339 13,193 19,635
Net assets reflecting all investments at fair value		501,588	259,856
Adjustment from fair value to contract value for fully benefit-responsive investment contracts		(35)	99
Total assets		501,553	259,955
Net assets available for benefits	\$	501,553	\$ 259,955

CORN PRODUCTS INTERNATIONAL, INC. RETIREMENT SAVINGS PLAN FOR MAPLETON HOURLY EMPLOYEES

Statement of Changes in Net Assets Available for Benefits Year ended December 31, 2010

Additions to	net	assets	attributed	to:
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Investment income (Notes 2 and 3):		
Dividends and interest	\$	7,179
Net appreciation in fair value of investments		80,625
Total investment income		87,804
Contributions:		
Employer		80,592
Participants		90,645
Total contributions	_	171,237
Total additions		259,041
Deductions from net assets attributed to:		
Distributions to participants, net of forfeitures		17,342
Administrative expenses		101_
Total deductions	_	17,443
Net increase		241,598
Net assets available for benefits, beginning of year	_	259,955
Net assets available for benefits, end of year	\$	501,553

Notes to Financial Statements

1. Description of Plan

General

The following brief description of the Corn Products International, Inc. Retirement Savings Plan for Mapleton Hourly Employees (the "Plan") is provided for general informational purposes only. Participants should refer to the plan agreement or the summary plan description for more complete information. The Plan is a defined contribution plan for the hourly employees of Corn Products International, Inc. (the "Company") at the Mapleton plant. The Plan allows employees to set aside part of their compensation for retirement. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Fidelity Management Trust Company (the "Trustee") holds the Plan's investments and executes investment transactions through the trust established pursuant to the Plan.

Contributions

Participants may contribute between 1% and 25% of their gross annual compensation on a before-tax basis, after-tax basis, or combination of both, subject to the limits imposed by the Internal Revenue Code (\$16,500 for 2010). The Plan also allows for participants age 50 and older to contribute additional tax-deferred contributions. These catch-up contributions were subject to IRS limits of \$5,500 in 2010. The Plan also permits participants to make rollover contributions in accordance with the Internal Revenue Code. At the direction of participants, contributions are invested by the Trustee into the funds the participant has elected.

The Company makes a matching contribution to the Plan of an amount equal to 100% of the first 6% of salary that the employee has elected to contribute. In addition, the Company makes a service award contribution on behalf of each participant who has completed a specified number of years of service. Service award contributions are earned for each five-year period of completed service and are equal to the number of years of completed service times the Company's average stock trading price during the period. Also, the Company makes an additional Profit Sharing Contribution on behalf of its eligible employees in an amount equal to 1% of the aggregate compensation of all eligible employees for the Plan Year. Company contributions are 100% vested after three years of service. Service award contributions are always fully vested.

Participants direct the investment of their contributions and employer contributions into various investment options offered by the Plan. The investment funds under the Plan include a collective trust fund, Company stock fund, and various mutual funds.

Participant Accounts

Individual account balances are maintained for each participant. Each participant's account is credited with the participant's contribution and allocations of the Company's contribution and Plan earnings and charged with an allocation of administrative expenses. Allocations are based on participant earnings or account balances, as defined. Forfeited balances of terminated participants' nonvested accounts are used to reduce future Company contributions. As of December 31, 2010, no forfeitures were available. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account. Participants have a fully vested interest in all contributions made by them and in the Plan's earnings/losses on those contributions at all times

Notes to Financial Statements, continued

1. Description of Plan, continued

Notes Receivable from Participants

Participants are permitted to obtain loans from their plan accounts while employed by the Company. In general, the amount of the loan may not exceed the lesser of \$50,000 reduced by the highest outstanding loan balance in a participant's vested account during the prior 12-month period, or 50% of their vested account balance. The minimum loan amount is \$1,000. Loan transactions are treated as a transfer between the investment funds and the loan fund. The loans bear a rate of interest equal to the prime rate as published in the Wall Street Journal at the time of the request plus one percent. Loans are repaid through monthly payroll deductions and repayments are reinvested into the participant's account according to the current investment election.

Payment of Benefits

Upon retirement, death, or termination, the participant's benefit will be paid in a lump sum. Under certain circumstances, participants may withdraw their before-tax contributions during their employment with the Company. Withdrawals may be made in the event of financial hardship, as defined in the Plan, or after attainment of age 59 ½.

Administrative Expenses

Certain trustee fees and administrative expenses are paid by the Company.

2. Summary of Significant Accounting Policies

Basis of Presentation

The accompanying financial statements are prepared on the accrual basis of accounting in accordance with U.S. generally accepted accounting principles.

Notes Receivable from Participants

Notes receivable from participants are reported at their unpaid principal balance plus any accrued but unpaid interest, with no allowance for credit losses, as repayments of principal and interest are received through payroll deductions and the notes are collateralized by the participants' account balances.

Adoption of New Accounting Standard

In September 2010, the FASB amended existing guidance with respect to the reporting of participant loans for defined contribution pension plans. The guidance requires that loans issued to participants be reported as notes receivable, segregated from plan investments, and be measured at their unpaid principal balances plus accrued but unpaid interest. This guidance is effective for reporting periods ending after December 15, 2010, and is to be applied retrospectively to all periods presented comparatively. Early application is permitted. The adoption of this guidance by the Plan resulted in a reclassification from investments to notes receivable from participants of \$13,193 on the statement of net assets available for benefits as of December 31, 2009. Adoption had no effect on the Plan's net assets available for benefits.

Notes to Financial Statements, continued

2. Summary of Significant Accounting Policies, continued

Investment Valuation and Income Recognition

The Plan's investments are reported at fair value. Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

The Plan's investment activities as presented in the statement of changes in net assets available for benefits include the net appreciation or depreciation in fair value of investments, which consists of the realized gains or losses on investment sales and the unrealized appreciation or depreciation on investments held at year end.

Fair value is the price that would be received by the Plan for an asset or paid by the Plan to transfer a liability (an exit price) in an orderly transaction between market participants on the measurement date in the Plan's principal or most advantageous market for the asset or liability. Fair value measurements are determined by maximizing the use of observable inputs and minimizing the use of unobservable inputs. The hierarchy places the highest priority on unadjusted quoted market prices in active markets for identical assets or liabilities (level 1 measurements) and gives the lowest priority to unobservable inputs (level 3 measurements). The three levels of inputs within the fair value hierarchy are defined as follows:

Level 1: Quoted prices (unadjusted) for identical assets or liabilities in active markets that the Plan has the ability to access as of the measurement date.

Level 2: Significant other observable inputs other than level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data.

Level 3: Significant unobservable inputs that reflect the Plan's own assumptions about the assumptions that market participants would use in pricing an asset or liability.

In some cases, a valuation technique used to measure fair value may include inputs from multiple levels of the fair value hierarchy. The lowest level of significant input determines the placement of the entire fair value measurement in the hierarchy.

The following descriptions of the valuation methods and assumptions used by the Plan to estimate the fair values of investments apply to investments held directly by the Plan.

Mutual funds and common stock: The fair values of mutual fund investments and common stock are determined by obtaining quoted prices on nationally recognized securities exchanges (level 1 inputs).

Notes to Financial Statements, continued

2. Summary of Significant Accounting Policies, continued

Collective trust fund: The fair value of participation units held in the collective trust fund, are based on their net asset values, reflecting all investments at fair value, including direct and indirect interests in fully benefit-responsive contracts, as reported by the Trustee (level 2 inputs). The investment objective of the collective trust fund is to seek the preservation of capital and to provide a competitive level of income over time that is consistent with the preservation of capital. To achieve its investment objective, the collective trust fund invests typically in fixed-income securities or bond funds and may include derivative instruments such as futures contracts and swap agreements. The collective trust also invests in money market deposit accounts and enters into "wrapper" contracts issued by third-parties. The collective trust provides for daily redemptions by the Plan at reported net asset values per share, with no advance notice requirement.

Money market deposit accounts: Fair values of money market deposit account balances have been determined based upon their quoted redemption prices and recent transaction prices of \$1.00 per share (level 2 inputs), with no discounts for credit quality or liquidity restrictions.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

Investments measured at fair value on a recurring basis are summarized below:

	Fair Value Measurements			
	at December 31, 2010			
	Quoted Prices in	Significant		
	Active Markets	Other	Significant	
	For Identical	Observable	Unobservable	
	Assets	Inputs	Inputs	
	(Level 1)	(Level 2)	(Level 3)	
Investments:				
Mutual funds				
Domestic small cap funds	16,291	-	-	
Domestic mid cap funds	14,495	-	-	
Domestic large cap funds	65,871	=	-	
Domestic fixed income funds	43,255	-	-	
International equity funds	33,283	-	-	
Lifecycle equity funds	19,416	-	-	
Lifecycle fixed income funds	7,037	-	-	
Lifecycle balanced funds	34,889	-	-	
Company common stock	238,381	-	-	
Collective trust fund	-	3,548	-	
Money market deposit account	-	6,163	-	

Notes to Financial Statements, continued

2. Summary of Significant Accounting Policies, continued

	Fair Value Measurements			
	at [December 31, 20	09	
	Quoted Prices in	Significant		
	Active Markets	Other	Significant	
	For Identical	Observable	Unobservable	
	Assets	Inputs	Inputs	
	(Level <u>1</u>)	(Level 2)	(Level 3)	
Investments:				
Mutual funds				
Domestic small cap funds	14,834	-	=	
Domestic mid cap funds	12,629	-	-	
Domestic large cap funds	44,260	-	-	
Domestic fixed income funds	4,907	-	-	
International equity funds	24,414	-	-	
Lifecycle equity funds	15,175	-	-	
Lifecycle fixed income funds	3,341	-	-	
Lifecycle balanced funds	16,401	=	=	
Company common stock	94,212	-	=	
Collective trust fund	_	7,848	-	
Money market deposit account	-	2,200	-	

There were no significant transfers between level 1 and level 2 investments.

Fully Benefit-Responsive Investment Contracts

While Plan investments are presented at fair value in the statements of net assets available for benefits, any material difference between the fair value of the Plan's direct and indirect interests in fully benefit-responsive investment contracts and their contract value is presented as an adjustment line in the statement of net assets available for benefits, because contract value is the relevant measurement attribute for that portion of the Plan's net assets available for benefits. Contract value represents contributions made to a contract, plus earnings, less participant withdrawals and administrative expenses. Participants in fully benefit-responsive contracts may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value. The Plan holds an indirect interest in fully benefit-responsive contracts through its investment in a stable value component of the collective trust fund.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the plan administrator to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of changes in net assets available for benefits during the reporting period. Actual results could differ from those estimates.

Notes to Financial Statements, continued

2. Summary of Significant Accounting Policies, continued

Risks and Uncertainties

The Plan allows participants to direct the investment of their account balances in a number of funds that invest in stocks, bonds, mutual funds, and other investment securities. The values of certain investment securities are exposed to risks from a variety of factors, such as liquidity, changes in interest rates, fluctuations in market conditions and changes in the credit standing of issuers of investment securities. Due to the level of risk associated with certain investment securities and the sensitivity of certain fair value estimates to changes in valuation assumptions, it is at least reasonably possible that changes in the fair values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits.

Payment of Benefits

Benefits are recorded when paid.

3. Investments

The fair values of individual investments that represent 5% or more of the Plan's net assets at December 31, 2010 and 2009 are as follows:

	2010		2009
Investments (at fair value, based on quoted prices)			
Fidelity Magellan Fund	\$ 	\$	18,561
Fidelity Overseas Fund			24,414
Fidelity Overseas Fund K	33,283		
Fidelity Small Capital Stock Fund	16,291	*	14,834
Fidelity Freedom 2020	34,889		16,401
Fidelity Freedom 2040	18,084	*	15,175
Corn Products Stock	238,381		94,212
PIM Total RT Inst	32,571		

^{*} Amount does not exceed 5% of net assets available for benefits and is presented for comparative purposes only.

During 2010, the Plan's investments (including gains and losses on investments bought, sold, and held during the year) appreciated in value as follows:

Investments (at fair value, based on quoted market prices)		
Mutual funds	\$	10,254
Common stock		70,371
	\$	80,625
	-	

Notes to Financial Statements, continued

4. Party in Interest

Parties in interest are defined under Department of Labor regulations as any fiduciary of the plan, any party rendering services to the plan, the Company, and certain others. The Plan allows participants to invest their account balances in shares of certain mutual funds or other investments managed by the Trustee or Fidelity Investments. Fidelity Investments is an affiliate of Fidelity Management Trust Company, the Trustee as defined by the Plan; therefore, these transactions qualify as party-in-interest transactions. Fees paid by the Plan to the Trustee were \$101 for the year ended December 31, 2010.

The Plan also allows participants to invest their account balances in a unit-based fund that invests in shares of Corn Products International, Inc. common stock. The number of shares of Corn Products International, Inc. common stock held by the Plan at December 31, 2010 and 2009 was 5,182 shares and 3,223 shares, respectively. The fair value of these shares at December 31, 2010 and 2009 was \$238,381 and \$94,212, respectively. No dividends were paid on these shares during the year ended December 31, 2010. These transactions also qualify as party-in-interest transactions.

The Plan also allows participants to take loans from their accounts in the Plan. These transactions also qualify as party-in-interest and totaled \$18,959 and \$13,193 at December 31, 2010 and 2009, respectively.

5. Tax Status

The Internal Revenue Service has determined and informed the Plan by a letter dated June 19, 2009, that the Plan and related trust were designed in accordance with the applicable sections of the Internal Revenue Code (IRC). Although the Plan has been amended since receiving a favorable determination, the plan administrator believes the Plan is designed and is currently being operated in compliance with the applicable requirement of the IRC.

6. Rights Upon Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, participants would become 100% vested in their employer contributions and earnings thereon.

SUPPLEMENTAL SCHEDULE

CORN PRODUCTS INTERNATIONAL, INC. RETIREMENT SAVINGS PLAN FOR MAPLETON HOURLY EMPLOYEES

Schedule 1

Schedule H, Line 4i -- Schedule of Assets (Held at End of Year) December 31, 2010

Empl	e of Plan Sponsor: oyer identification number: e-digit plan number:	rn Products International, Inc. 22-3514823 003			
(a)	(b)	(c) Description of Investment	(d)	((e)
	Identity of Issue,	Including Maturity Date,		_	
	Borrower, Lessor,	Rate of Interest, Collateral,			rent
	or Similar Party	Par of Maturity Value	Cost	<u>v</u> a	lue
	Collective Trust Fund:				
*	Fidelity Management	Fidelity Managed		_	
	Trust Company	Income Portfolio II	#	\$	3,513
	Mutual Funds:				
	T Rowe Price	TRP Blue Chip Growth	#		1,777
	T Rowe Price	TRP Equity Income	#		3,008
	PIMCO	PIM Total RT Inst	#		32,571
*	Fidelity Investments	Fidelity Investment			
		Grade Bond Fund	#	•	10,684
*	Fidelity Investments	Fidelity Asset Manager 50%	#		5,225
*	Fidelity Investments	Fidelity Small Cap Stock Fund	#		16,291
*	Fidelity Investments	Spartan 500 Index Fund	#		18,502
*	Fidelity Investments	Contrafund K	#		10,239
*	Fidelity Investments	Fidelity Growth &			
		Income Fund K	#		3,729
*	Fidelity Investments	Fidelity Low Priced Stock Fund K	#		14,495
*	Fidelity Investments	Fidelity Magellan Fund K	#		23,390
*	Fidelity Investments	Fidelity Overseas Fund K	#		33,283
*	Fidelity Investments	Fidelity Freedom Income K 2000	#		1,335
*	Fidelity Investments	Fidelity Freedom Income K 2010	#		5,702
*	Fidelity Investments	Fidelity Freedom Income K 2020	#		34,889
*	Fidelity Investments	Fidelity Freedom Income K 2040	#		18,084
*	Fidelity Investments	Fidelity Freedom Income K 2050	#		1,333
	Common Stock:				
*	Corn Products International, Inc				000 001
	Other:	common stock 5,182 shares	#		238,381
*	Fidelity Investments	Money market deposit account	#		6,163
*	Participant Loans	Loans bearing interest at the rate	,,		0,100
	i altiolpant Loans	of 4.25% and maturing through 2014	ļ #		18,959
				\$	<u>501,553</u>
	•				

<sup>Denotes a party in interest to the Plan.
All investments are participant-directed; therefore, historical cost information is not required.</sup>