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PLEASE VERIFY BEFORE SENDING

Unverified AI draft. Every fact must be checked against the records before use. It is not legal advice. Fill in every [ADD: …] placeholder, set the demand amount, confirm anything marked [VERIFY], and delete this box before sending.

- Check Indiana's required form and notice period before sending.
- [VERIFY: Indiana rule on patent demand letters, including required content, notice period and delivery method]. Check this draft against that rule, including the owner/contact information, the infringement allegations, the delivery method and any waiting period before further action.
- Date inconsistency: the assignment was signed and notarized September 28, 2023, but it identifies "the patent application filed October 2, 2023" [assignment_record.pdf p.1]. Please confirm the chain of title. The reel and frame numbers are on a cover sheet we did not receive, so they are left as a placeholder.
- Timing: the patent issued March 10, 2026 [patent_excerpt.pdf p.1], but the TempRod launched in January 2026 [claim_chart_and_product_evidence.pdf p.1]. The letter does not claim damages for pre-issuance sales. The client's note says its products were marked only "Patent pending" and not yet with the patent number [assignment_record.pdf p.1], and there were no prior notices to Harvestline [claim_chart_and_product_evidence.pdf p.1]. Please consider the notice and damages implications.
- Claim chart gaps: the chart does not expressly address "extending along the core" in 1(d), the head unit being "at an upper end of the core," or "unique" addresses in 1(e). The teardown (Evidence C) covers only a TempRod 900. The TempRod 600 evidence is the product page and manual only. We did not receive Evidence A, B or C themselves, so the exhibit references in the table are as stated in the chart.
- Omitted on purpose: the client's internal note says Harvestline was a Corvane dealer until April 30, 2024 and received manuals and wiring diagrams [assignment_record.pdf p.1]. That is left out of the letter, as is the client's own product line. Please decide whether to use it. The dealer agreement itself was not provided. The source of the January 2026 dealer newsletter is also unclear.
- Demand terms: the firm notes do not ask for payment for past sales, so the letter offers a license on terms to be discussed or a halt to sales. The demand amount and response deadline are placeholders.
- Only claim 1 is asserted, per the firm notes. Claims 2 and 3 are not mentioned.
- Missing details: firm address, phone and email, letter date, delivery method, Harvestline's address and the President's name, and the firm's file reference.

Kettering Shaw LLP
[ADD: firm street address]
[ADD: city, state ZIP]
[ADD: phone] · [ADD: email]

[ADD: date]

VIA [ADD: delivery method]

[ADD: recipient name], President
Harvestline Grain Systems Inc.
[ADD: street address]
[ADD: city, state ZIP]

Re: Notice of Infringement of U.S. Patent No. 12,987,416 – Harvestline TempRod 600 and TempRod 900 Sensing Cables; Our Client: Corvane Agritech LLC; Our File: [ADD: firm file number]

Dear [ADD: recipient name]:

Introduction

This firm represents Corvane Agritech LLC ("Corvane"), the owner of U.S. Patent No. 12,987,416 (the "'416 Patent") [patent_excerpt.pdf p.1; assignment_record.pdf p.1]. Corvane is located at 2200 Elevator Road, Wabash Bend, Indiana [assignment_record.pdf p.1]. We write to notify Harvestline Grain Systems Inc. ("Harvestline") that Corvane believes the Harvestline TempRod 600 and TempRod 900 sensing cables infringe claim 1 of the '416 Patent. We also write to propose a way to resolve the matter. Corvane is open to discussing a license [firm notes].

The patent

The '416 Patent is described below.

Item	Detail	Source
Patent number	12,987,416	[patent_excerpt.pdf p.1]
Title	Multi-Point Moisture and Temperature Sensing Cable for Stored Grain	[patent_excerpt.pdf p.1]
Issue date	March 10, 2026	[patent_excerpt.pdf p.1]
Application filed	October 2, 2023	[patent_excerpt.pdf p.1]
Inventor	Dale R. Ruppert	[patent_excerpt.pdf p.1]
Owner (assignee)	Corvane Agritech LLC	[patent_excerpt.pdf p.1]

The inventor assigned to Corvane the entire right, title and interest in the invention, the application and any patent issuing from it. That assignment includes the right to sue for and collect damages for past, present and future infringement [assignment_record.pdf p.1]. The assignment was recorded with the United States Patent and Trademark Office on October 19, 2023, at reel and frame [ADD: reel and frame number] [assignment_record.pdf p.1].

The accused products

Corvane's investigation identified the following Harvestline products:

Product	Length	Sensor nodes	Listed price	Source
TempRod 600	60 ft	15	$1,795.00	[claim_chart_and_product_evidence.pdf p.1]
TempRod 900	90 ft	22	$2,385.00	[claim_chart_and_product_evidence.pdf p.1]

Harvestline's product page, saved March 16, 2026, states that the TempRod is "Now shipping, launched January 2026." It states that the TempRod is sold through dealers in Indiana, Illinois and Ohio and online [claim_chart_and_product_evidence.pdf p.1]. A Harvestline dealer newsletter from January 2026 states: "Over 1,400 TempRod cables pre-sold for the 2026 harvest" [claim_chart_and_product_evidence.pdf p.1]. A TempRod 900 was purchased from Prairie Fork Co-op in Lafontaine Creek, Indiana, on an invoice dated February 27, 2026, and examined [claim_chart_and_product_evidence.pdf p.1].

Infringement

Corvane asserts claim 1 of the '416 Patent. Claim 1 recites a grain sensing cable with five elements, (a) through (e) [patent_excerpt.pdf p.1]. A claim chart prepared for Corvane by Owen Bakshi, P.E., dated March 24, 2026, compares claim 1 to the TempRod 600 and TempRod 900. The chart relies on Harvestline's product page (Evidence A), the TempRod Installation and Wiring Manual, Rev. 2, dated November 2025 (Evidence B), and the teardown of a TempRod 900 (Evidence C) [claim_chart_and_product_evidence.pdf p.1]. The comparison is summarized below.

Claim	Claim element	Where found in the TempRod	Source
1(a)	A flexible load-bearing core configured to hang vertically within a grain storage bin	Product page: "Aircraft-grade steel cable core, hangs from the bin roof" (Ex. A p.1; Ex. C photo 2)	[claim_chart_and_product_evidence.pdf p.1]
1(b)	A plurality of sensor nodes spaced along the core, each with a capacitive moisture sensor and a temperature sensor	15 nodes (TempRod 600) or 22 nodes (TempRod 900), each said to "measure moisture and temperature." Teardown found a capacitive moisture sensing plate and a temperature chip in each node (Ex. A p.1; Ex. C photos 4-6)	[claim_chart_and_product_evidence.pdf p.1]

Claim	Claim element	Where found in the TempRod	Source
1(c)	A vented housing around each node with openings that let air reach the moisture sensor while blocking grain kernels	Product page: "Slotted node shell lets air in, keeps grain out." Teardown: slotted polymer shell with fine mesh liner (Ex. A p.2; Ex. C photo 7)	[claim_chart_and_product_evidence.pdf p.1]
1(d)	A two-wire bus connected to each node, carrying both electrical power and digital data	Manual: "All nodes share a single 2-conductor bus for power and data." (Ex. B p.9)	[claim_chart_and_product_evidence.pdf p.1]
1(e)	A head unit at an upper end of the core that assigns each node a unique address on the bus	Manual: "On startup, the head unit assigns each node an address." (Ex. B p.11)	[claim_chart_and_product_evidence.pdf p.1]

Based on this comparison, Corvane believes the TempRod 600 and TempRod 900 include each element of claim 1. We are prepared to provide the chart and supporting evidence on request. [ADD: confirm whether the claim chart and exhibits are to be enclosed]

Demand

On behalf of Corvane, we ask that Harvestline do the following:

- Stop making, offering for sale and selling the TempRod 600 and TempRod 900, or contact us to discuss a license to the '416 Patent on terms to be agreed [firm notes]. Any license discussion would address past sales, and Corvane's position on that is [ADD: demand amount, if the firm wishes to demand payment for past sales].
- Preserve all documents and electronic data relating to the design, development, manufacture, sourcing, marketing, sale and pricing of the TempRod 600 and TempRod 900, including sales and pre-order records, the manual, product page and dealer communications.
- Respond to us in writing by [ADD: response deadline].

This letter is intended to give Harvestline the notice and information required for a patent demand letter [VERIFY: Indiana rule on patent demand letters, including required content, notice period and delivery method]. Please direct all communications about this matter to the undersigned at [ADD: attorney phone] or [ADD: attorney email]. This letter is not a complete statement of the facts or of Corvane's rights, claims or remedies. Corvane reserves all of its rights and remedies under the '416 Patent and applicable law.

Sincerely,

Philip A. Kettering
Kettering Shaw LLP