

Fasal: A Structural Evidence Review

Document class: Independent research memorandum Prepared for: Internal review, board-level or investment-committee use Subject entity: Fasal (Wolkus Technology Solutions Private Limited) (fasal.co) Data reference date: 20 September 2026 Generated by: triNetra Research Methodology source: Independent public-source evidence review, reproducible by any researcher using the same public sources Author status: Independent researcher. No affiliation with Fasal, its investors, or the reviewing organization. Distribution note: This document is a public-source evidence review. It does not constitute legal, regulatory, medical, or investment advice.

> **METHODOLOGICAL NOTE** > This document was produced through public web search and direct retrieval of company and third-party pages, with every surviving claim traced to a numbered source in the References section. No non-public information, company disclosure, or right-of-reply statement was used. Because the underlying sources are all publicly accessible, any reader can reconstruct or update this document by following the steps in Section 12, without needing access to any proprietary tool or dataset.

1. Purpose and Scope

This memorandum documents what public evidence exists regarding Fasal's corporate structure, funding history, and product claims, and separates that evidence from interpretation of it.

The scope is limited to information available through public web sources as of the reference date. No non-public information, company disclosure, or right-of-reply statement is included. The purpose is to support informed judgment by a reader, not to substitute for one.

This review pays particular attention to Fasal's artificial intelligence and machine learning component, since predictive analytics for crop yield, pest, and disease outcomes sits at the center of the company's product positioning. It also examines a factual discrepancy in the request that produced this review: the founding year supplied at the outset was 2015, while every independently corroborated source places incorporation in 2017 or 2018. This discrepancy is documented rather than silently corrected or ignored.

2. Evidence Base and Reliability Ranking

Rank	Source type	Availability for this subject
1	Government or regulatory filings	Corporate identification number and incorporation record located through commercial MCA mirrors (Section 6). No direct filing document was retrieved.
2	Primary company publications	Available (fasal.co homepage, terms of service, about/story pages).

Rank	Source type	Availability for this subject
3	Sector-equivalent certification bodies	A government-run incubation program sharing the "FASAL" name was located but is a distinct, unrelated entity (Section 6). No agricultural technology certification body specific to IoT sensor or yield-prediction accuracy was located.
4	Independent commercial registries	Available (ZaubaCorp, Tofler, TheCompanyCheck).
5	Independent journalism, multiple outlets	Available and substantially cross-corroborated (Sections 3, 5).
6	Marketing statements, testimonials	Available. Treated as claims pending verification, not as findings.

3. Corporate Background

Purpose of this section: establish which corporate and financial facts are independently corroborated before evaluating product-level claims.

VERIFIED FACT Fasal's legal entity is Wolkus Technology Solutions Private Limited, incorporated on 11 January 2018, with corporate identification number U72900UP2018PTC100161 and a registered office in Lucknow, Uttar Pradesh [1][2].

VERIFIED FACT The company was co-founded by Ananda Prakash Verma and Shailendra Tiwari [3][4]. Registry records list three directors: Ananda Prakash Verma, Shailendra Tiwari, and Mohit Malhotra [1].

LIMITATION The request that produced this review supplied a founding year of 2015. No source located during this review supports 2015. Independent reporting places the company's origin at 2017 to 2018 [3][4], and the registry incorporation date is 11 January 2018 [1]. This is recorded as a factual discrepancy in the review's starting brief, not as a finding about the company concealing its history.

VERIFIED FACT Fasal has raised funding across multiple rounds, most recently a Series A round of INR 100 crore (approximately \$12 million) in December 2023, led by TDK Ventures and British International Investment, with participation from ITI Growth Opportunities Fund, Navam Capital, Aureolis Ventures, 3one4 Capital, Omnivore, Wavemaker Partners, Genting Ventures, and The Yield Lab Asia Pacific [5][6][7]. A further Series A-II round closed in December 2024 [8].

LIMITATION The review brief stated that Fasal had raised approximately \$38.7 million to date. Independent aggregator trackers (Tracxn, Crunchbase-derived summaries) place cumulative disclosed funding between approximately \$17.6 million and \$19.4 million across eight rounds and 36 investors [8][9]. No source located during this review corroborates a \$38.7 million cumulative figure. This is recorded as an unverified figure from the review's starting brief, not as a finding of company misstatement, since the figure did not originate from company materials reviewed here.

EVIDENCE > Funding round size and lead investor names for the December 2023 Series A are reported consistently across at least three independently operated outlets [5][6][7], which is the pattern typically seen when multiple outlets accurately report a single company-issued disclosure rather than each performing independent financial verification.

ASSESSMENT Corporate incorporation and recent funding-round facts are treated as reliable for the purposes of this review, with the founding-year and total-funding discrepancies noted above carried forward as open items.

4. Product Claims: Evidentiary Basis

Purpose of this section: determine whether Fasal's public product and performance claims are independently verifiable.

VERIFIED FACT Fasal describes itself as an AI-powered IoT-SaaS platform for horticulture that captures real-time data from on-farm sensors and delivers farm-specific, crop-specific, and crop-stage-specific advisories to farmers, including irrigation, fertigation, and disease and pest management guidance [2][10].

VERIFIED FACT The company's website lists hardware products including a "Main Unit" providing "disease and pest predictions, spray advisory and irrigation advisory," a "Soil Moisture Unit," and irrigation automation products "FasalJet" and "FasalJet Pro" [10].

LIMITATION The homepage and product pages reviewed do not name a specific machine learning technique, model architecture, training dataset, or accuracy figure for the disease and pest prediction functions [10].

OBSERVED PATTERN A separate company engineering channel (a "Fasal Engineering" publication) carries an article titled "Validation of Crop Pest and Disease Models," indicating the company has written publicly about model validation practice [11]. Direct retrieval of this article's full content failed during this review (Section 11), so its content is not treated as a verified source here beyond its title and existence.

KEY OBSERVATION > The core predictive claim, that sensor data can be converted into reliable disease, pest, and irrigation advisories, is stated as company description rather than substantiated with a published accuracy metric on the pages retrieved for this review.

INTERPRETATION On the evidence retrieved, product claims describe function and intended benefit rather than provide independently checkable performance data. No conclusion is drawn about whether the underlying models perform as described, since that requires access to data and testing this review did not have.

EVOLUTION OPPORTUNITY > Publication of the model validation methodology (the article referenced in [11], made reliably accessible) together with a summary accuracy metric would allow independent assessment of the prediction claims made on the company's marketing pages.

5. Quantitative Claims and Traceability

Purpose of this section: assess whether Fasal's published performance statistics can be independently reconstructed.

VERIFIED FACT Fasal's homepage states 54,965 MT of greenhouse gas emissions saved, 52 billion litres of water saved, and 1.27 lakh kg of reduced chemical usage [10]. A government-affiliated feature story republishes closely related figures: "52 billion+ litres of water saved across 10,000 acres" and deployment "across 10,000 acres" in Chhattisgarh, Karnataka, Maharashtra, and Madhya Pradesh [12].

VERIFIED FACT The same government-affiliated feature states a "40% increase in yield" and "up to 60% reduction in pesticide costs" attributed to Fasal's platform [12].

LIMITATION None of the figures above are accompanied by a disclosed sample size, measurement method, baseline period, crop type breakdown, or definition of "yield increase" on the pages retrieved.

OBSERVED PATTERN Yield-improvement figures for Fasal vary substantially across public sources: some case-study material cites 5 to 10 percent, other material cites 10 to 15 percent, a separate case study cites 20 to 30 percent, and the most recent government-affiliated feature cites 40 percent [12][13]. Fasal's own homepage does not currently state a single headline yield percentage.

EVIDENCE > A figure such as "40% increase in yield" carries no independently assessable statistical weight without a stated baseline, crop, region, and sample size. The wide spread of reported percentages across sources (5 to 40 percent) is consistent with the figure varying by crop, trial, or reporting period, but the published materials reviewed do not specify which conditions produced which number.

VERIFIED FACT Coverage figures also vary by publication date: a December 2023 funding announcement cites more than 75,000 acres under Fasal coverage [7][14], while the government-affiliated feature (undated within the retrieved page, but referencing more recent product launches) cites 10,000 acres [12] and other reporting cites approximately 10,000 deployed sensor units as of mid-2025 [15]. These figures are not necessarily inconsistent, since "acres served historically," "acres under active coverage," and "device count" measure different things, but the public materials do not reconcile them.

INTERPRETATION As published, the quantitative performance claims do not support independent verification. This is a statement about the completeness of public disclosure, not about the accuracy of the underlying figures, which this review could not test directly.

LIMITATION No claim regarding the number of individual farmers reached (as opposed to acreage or device counts) was located in the sources reviewed.

EVOLUTION OPPORTUNITY > Disclosure of sample size, baseline definition, and measurement methodology behind the yield and pesticide-reduction figures would allow independent assessment without requiring access to raw farm-level data.

6. Corporate Identity and Registry Verification

Purpose of this section: determine whether the operating brand, disclosed legal entity, and public company registries are mutually consistent.

VERIFIED FACT The brand presented to consumers is "Fasal." The legal entity is Wolkus Technology Solutions Private Limited, confirmed both in the fasal.co website footer and in independent commercial registry mirrors, with corporate identification number U72900UP2018PTC100161 [1][2][10].

VERIFIED FACT Registry mirrors report authorized share capital of INR 13.35 lakh and paid-up capital of INR 3.62 lakh, with reported operating revenue of approximately INR 35.5 crore for the financial year ending 31 March 2024 [1].

OBSERVED PATTERN A separate, government-run entity also uses the name "FASAL": a Centre of Entrepreneurship for IoT in Agriculture operated by the Software Technology Parks of India (an arm of India's Ministry of Electronics and Information Technology), hosted at Dr. Panjabrao Deshmukh Krishi Vidyapeeth in Akola, Maharashtra [16]. This is an unrelated incubation program, not the company reviewed here, but the name overlap creates a risk of misattribution when searching for "Fasal" government affiliation.

LIMITATION This review did not query the official Ministry of Corporate Affairs portal directly. Registry facts above rely on commercial mirrors (ZaubaCorp, Tofler, TheCompanyCheck), which is reported as a tooling limitation rather than a substantive finding.

INTERPRETATION The brand-to-entity relationship (Fasal / Wolkus Technology Solutions Private Limited) is disclosed consistently across the company's own site and independent registries, which is a stronger identity-consistency position than is typical in this class of review. The separate government program sharing the "FASAL" name is recorded as a naming coincidence requiring reader awareness, not as evidence of any conduct issue.

7. Artificial Intelligence Component: Oversight Documentation

Purpose of this section: evaluate whether Fasal's AI-driven advisory function includes documented scope limits, validation methodology, and escalation or liability handling. This section receives closer attention than the template default because prediction of crop outcomes is central to Fasal's product, and a farmer acting on a flawed pest or irrigation prediction faces direct financial and food-security consequences.

VERIFIED FACT Fasal describes its core function as converting sensor data (climatic and soil parameters from what public materials describe as more than a dozen sensor types) into "precise recommendations for disease and pest management, irrigation, and farm planning" [12][10].

VERIFIED FACT Fasal's terms of service state: "No representations, warranties or guarantees whatsoever are made by the Company as to the accuracy, adequacy, reliability, completeness, suitability or applicability of the information to a particular situation," and further disclaim liability for "any special, exemplary, consequential, incidental, punitive or indirect damages" arising from use of the platform [17].

KEY OBSERVATION > The company's own terms of service explicitly decline to warrant the accuracy of the advisory output, even though marketing language elsewhere describes "precise recommendations" for decisions with direct financial consequences for farmers, such as when to irrigate or when to apply pesticide. This is a common structure in software terms of service generally, but it sits in tension with marketing language promising precision, and the review found no bridging disclosure (such as a stated confidence interval or accuracy range) reconciling the two.

OBSERVED PATTERN A company engineering channel carries a post specifically titled "Validation of Crop Pest and Disease Models," suggesting the company has engaged with model validation as a named practice [11]. However, this review could not retrieve the full content of that post (Section 11), so no claim is made here about what validation method it describes or what accuracy figures, if any, it discloses.

LIMITATION No independently published accuracy metric, confusion matrix, precision or recall figure, or third-party audit of Fasal's pest, disease, or yield prediction models was located in any source successfully retrieved during this review.

LIMITATION No publicly documented escalation path was located for cases where an automated prediction might be wrong in a way that causes crop loss, for example a missed disease alert or a false irrigation recommendation during a critical growth stage.

INTERPRETATION The absence of a published accuracy metric and escalation path is a documentation gap, not evidence that the models perform poorly or that no internal validation process exists. This review did not test the platform's live predictions and cannot speak to behavior, only to what is publicly documented.

EVOLUTION OPPORTUNITY > Reliable public access to the company's own model validation writing, together with a summary accuracy or error-rate figure and a stated process for handling missed or incorrect predictions, would convert this section from a documentation gap into a verifiable finding.

8. Claims Language and Regulatory Positioning

Purpose of this section: identify whether Fasal's claims language falls into a category that has drawn regulatory attention elsewhere in the agricultural technology sector.

VERIFIED FACT Public materials associated with Fasal use language such as "40% increase in yield," "up to 60% reduction in pesticide costs," and "precise recommendations," applied to farm outcomes [12][10].

LIMITATION No regulatory action, Advertising Standards Council of India complaint, or agricultural-sector ruling involving Fasal or Wolkus Technology Solutions Private Limited was located as of the reference date.

OBSERVED PATTERN Yield and cost-saving percentages presented without baseline, sample size, or trial conditions are a category of claims language that has drawn scrutiny for agricultural input and technology companies generally, since farmers making input and irrigation decisions based on an unqualified percentage cannot independently assess how the figure applies to their own conditions.

INTERPRETATION This is recorded as a sector-level pattern applicable for internal review, not as a finding specific to Fasal. No regulatory violation is inferred in the absence of an authoritative ruling.

LIMITATION This review is not a legal or regulatory opinion.

EVOLUTION OPPORTUNITY > Direct review of Advertising Standards Council of India complaint records and any state agricultural department correspondence specific to Fasal would convert this section from a sector observation into a company-specific finding.

9. Incident and Safety Protocol Documentation

Purpose of this section: determine whether an adverse-outcome, refund, or hardware-failure protocol is publicly documented.

VERIFIED FACT A separate warranty terms page ("Fasal Care Warranty Terms") exists on the company's site and was identified through search indexing, alongside a general terms-of-service page that was successfully retrieved [17][18].

VERIFIED FACT The terms of service state that the platform is provided on an "as-is" and "as available" basis, with all implied warranties, including merchantability and fitness for a particular purpose, explicitly disclaimed, and that outstanding payment obligations survive termination [17].

LIMITATION A direct attempt to retrieve the specific "Fasal Care Warranty Terms" page (covering hardware, likely including device failure and replacement terms) was not completed during this review; only its existence was confirmed through search indexing. No dedicated public page addressing farmer complaint handling, crop-loss dispute resolution, or refund conditions tied to advisory accuracy was retrieved.

LIMITATION No public record of a farmer complaint, refund dispute, or lawsuit involving Fasal was located through general web search. This is recorded as an absence of retrievable evidence, not as a finding that no such incidents exist.

ASSESSMENT This section is marked partially assessed. General liability and warranty disclaimer language was retrieved and is documented above, but the specific hardware warranty terms and any incident-handling protocol were not retrieved, consistent with the principle that absence of evidence does not constitute evidence of absence.

EVOLUTION OPPORTUNITY > Direct retrieval and review of the Fasal Care Warranty Terms page, plus any published crop-loss or advisory-dispute policy, would complete this section.

10. Summary Table

Section	Evidence available	Independently verifiable	Status
Corporate and funding facts	Yes, with two unresolved figures (founding year, total funding)	Partially, cross-corroborated on incorporation and recent round	Open
Product claims	Description only	No	Open
Quantitative performance claims	Claim text only, inconsistent across sources	No	Open
Corporate identity and registry	Yes	Yes, cross-corroborated	Established
AI oversight documentation	Terms-of-service disclaimers and one unretrievable engineering post	No	Open
Claims language positioning	Claim text only	Not applicable, no ruling exists	Monitoring item
Incident and safety protocol	Partial (general terms only)	Not applicable	Partially unassessed

This table reflects the state of public documentation as of the reference date. It does not represent a composite score or an overall rating of the subject entity.

11. Limitations

This review relies exclusively on public web sources accessible on 20 September 2026. No company disclosure, right of reply, or non-public information was obtained or used.

The founding year supplied in the request that produced this review (2015) does not match any source located here, which consistently indicate 2017 to 2018. Similarly, the total funding figure supplied in the request (\$38.7 million) does not match independent tracker figures of approximately \$17.6 million to \$19.4 million. Both discrepancies are documented in Section 3 rather than silently resolved in either direction.

Direct retrieval of the Fasal Engineering Medium post on model validation returned an access error (HTTP 403) and could not be read in full; only its title and existence, seen through search indexing, are used, and its substantive content is not treated as verified.

Direct retrieval of a dedicated terms-of-service subpage returned a not-found error on first attempt; a working terms-of-service page was subsequently located and retrieved at a different path.

The Fasal Care Warranty Terms page, which likely contains hardware failure and replacement provisions, was identified but not retrieved in full.

Verification of the legal entity against the official Ministry of Corporate Affairs portal was not completed. Commercial registry mirrors were used as a substitute, and in this case returned a consistent, matching result, which is reported for transparency about method rather than as a stronger form of proof than it is.

No independent, agriculture-sector-specific certification or accuracy-audit body equivalent to a clinical trial registry was identified for IoT-based crop prediction systems in India, so this review cannot report an absence of registration in the way a clinical-trial search would.

This document does not constitute legal, regulatory, medical, or investment advice, and should not be relied upon as the sole basis for any decision.

12. Reproducibility Notes

Toolchain used to produce this document: public web search and direct webpage retrieval, with every claim traced to a source listed in the References section below. No proprietary software, non-public company data, or tool beyond public web search and general-purpose drafting was used.

An independent reviewer seeking to reproduce or update this assessment should complete the following steps.

- 1 Retrieve current versions of the fasal.co homepage, terms of service, warranty terms, and story or about pages directly, and record claim language as it appears, since website content changes over time [10][17].
- 2 Query ZaubaCorp, Tofler, and at least one additional commercial registry mirror for "Wolkus Technology Solutions Private Limited" using corporate identification number U72900UP2018PTC100161, and cross-check against the official Ministry of Corporate Affairs portal directly rather than relying solely on mirrors [1].
- 3 Search for and, where possible, retrieve the full "Validation of Crop Pest and Disease Models" post on the Fasal Engineering Medium channel, retrying if the initial attempt returns an access error [11].

- 4 Cross-check the funding history and total-raised figure against Tracxn, Crunchbase, and at least two independent news outlets covering the most recent funding round, and note any figure that cannot be corroborated [5][6][7][8][9].
- 5 Search the Advertising Standards Council of India complaint database and relevant state agricultural department records directly for any entry naming Fasal or Wolkus Technology Solutions Private Limited.
- 6 Search for farmer-facing complaint or dispute content in regional-language sources, since English-language search may under-represent complaints raised in Hindi or other regional languages relevant to Fasal's farmer base.

Divergence between this review and a future reproduction should be expected primarily from website content changes, resolution of the founding-year and total-funding discrepancies noted in Section 3, and successful retrieval of the currently inaccessible engineering and warranty pages.

13. Evolution Opportunities

The following disclosures, if made publicly, would materially increase the independent verifiability of Fasal's public claims, in order of estimated impact relative to cost of disclosure.

- 1 Publication of a summary accuracy or error-rate metric for the disease, pest, and irrigation prediction models, alongside the validation methodology the company has already written about internally.
- 2 Disclosure of sample size, baseline period, and measurement methodology behind the yield-increase and pesticide-cost-reduction percentages currently published without qualification.
- 3 A single, reconciled statement of current platform scale (acres, devices, and farmers) with a consistent measurement date, replacing the differing acreage and device figures currently found across sources.
- 4 Publication of a defined escalation or dispute process for cases where an automated advisory contributes to a poor farming outcome.
- 5 Reliable public access to the hardware warranty and refund terms already referenced but not retrievable during this review.

14. Future Questions

The following questions remain open following this review and are not answered by the evidence available.

Does an internal or third-party validation study exist that supports the specific yield-increase percentages published in various sources.

What sample size, crop types, and geographic conditions produced the range of yield figures (5 to 40 percent) found across different publications.

What escalation or remediation process, if any, applies when an automated prediction contributes to crop loss or a missed disease outbreak.

What is the correct founding year and total cumulative funding figure for the company, resolved through a source this review could not access.

Has any state agricultural authority or advertising self-regulatory body reviewed Fasal's claims language, and if so, with what outcome.

References

- [1] Zaubacorp. WOLKUS TECHNOLOGY SOLUTIONS PRIVATE LIMITED, CIN U72900UP2018PTC100161. <https://www.zaubacorp.com/WOLKUS-TECHNOLOGY-SOLUTIONS-PRIVATE-LIMITED-U72900UP2018PTC100161>
- [2] Tofler. Wolkus Technology Solutions Private Limited, Company Details. <https://www.tofler.in/wolkus-technology-solutions-private-limited/company/U72900UP2018PTC100161>
- [3] YourStory. Farming on autopilot: Agritech startup Fasal uses IoT to help horticulture farmers. <https://yourstory.com/2021/01/farming-agritech-startup-fasal-iot-horticulture-farmers>
- [4] LinkedIn. Shailendra Tiwari, Founder/CEO, Fasal. <https://in.linkedin.com/in/shailendra-tiwari-93015444>
- [5] PR Newswire. TDK Ventures and British International Investment invests in Series-A round of agri-tech innovator Fasal. <https://www.prnewswire.com/news-releases/tdk-ventures-and-british-international-investment-invests-in-series-a-round-of-agri-tech-innovator-fasal-and-its-full-stack-precision-farming-solution-302022563.html>
- [6] Entrepreneur India. Agritech Startup Fasal Raises INR 100 Crores in Series A Funding. <https://www.entrepreneur.com/en-in/news-and-trends/agritech-startup-fasal-raises-inr-100-crores-in-series-a/467441>
- [7] 3one4 Capital. Fasal Raises INR 100 Cr in Series A, Fueling Smarter and Greener Agricultural Practices. <https://www.3one4capital.com/blogs/fasal-raises-inr-100-cr-in-series-a>
- [8] Tracxn. Fasal, Company Profile, Team, Funding, Competitors and Financials. https://tracxn.com/d/companies/fasal/_oNAHI8UEovECojkNpiJPYCUx9OCZTmEr14g5hIUusIU
- [9] Crunchbase. Fasal, Company Profile and Funding. <https://www.crunchbase.com/organization/fasal>
- [10] Fasal. Homepage. <https://fasal.co/> (also <https://www.fasal.co/>)
- [11] Fasal Engineering (Medium). Validation of Crop Pest and Disease Models. <https://medium.com/fasal-engineering/validation-of-crop-disease-models-7097b4138e0c> (full content not retrievable; access error encountered)
- [12] NITI Aayog Frontier Tech. From Fields to Data: IoT-Powered Precision Farming Boosting Yields and Saving Water. <https://frontiertech.niti.gov.in/story/precision-farming-innovation-fasal-krantis-transformative-impact-on-indian-agriculture/>
- [13] nasscom Community. Agritech Case Study Series: Fasal. <https://community.nasscom.in/communities/digital-transformation/agritech/agritech-case-study-series-fasal.html>

[14] Inc42. Agritech Startup Fasal Raises \$12 Mn To Fortify Its B2B Brand Fasal Fresh, R&D. <https://inc42.com/buzz/agritech-startup-fasal-raises-12-mn-to-fortify-its-b2b-brand-fasal-fresh-rd/>

[15] The Wire (PTI). Fasal Unveils 'FasalJet' and 'FasalJet Pro' to Address Soaring Farmer Demand for On-Farm Tech Solutions. <https://m.thewire.in/article/ptiprnews/fasal-unveils-fasaljet-fasaljet-pro-to-address-soaring-farmer-demand-for-on-farm-tech-solutions-deepens-footprint-in-southeast-asia/amp>

[16] Software Technology Parks of India, Ministry of Electronics and Information Technology, Government of India. FASAL Centre of Entrepreneurship. <https://stpi.in/en/centre-of-entrepreneurship/fasal>

[17] Fasal. Terms of Service. <https://fasal.co/terms-of-service>

[18] Fasal. Fasal Care Warranty Terms (page identified, not retrieved in full). <https://fasal.co/FasalCareWarrantyTerms.html>