

Biocontrol Product Assessment Toolkit

A structured due-diligence workbook for biological-control products, natural enemies and IPM-compatible technologies.

What this tool is for

Use the toolkit to screen a commercial or experimental biocontrol option before adoption, partnership, field trial, distribution or a deeper technical review.

Three-part workflow

- Assessment sheet: score the core technical and commercial dimensions.
- Evidence Log: record the studies, technical documents and claims used to support each score.
- Compatibility Matrix: identify interactions with pesticides, beneficials and production practices.

Critical issues

The Critical issue? field is intentionally separate from the weighted score. Use it for constraints that should stop or delay a decision even when the overall score is attractive.

Examples include a registration mismatch, poor storage feasibility, a known incompatibility with a key pesticide program, unsupported efficacy claims or unsuitable target-pest biology.

Evidence status

Weak: largely promotional, indirect, poorly replicated or not relevant to the target production system.

Moderate: some direct evidence but important uncertainty remains. Strong: multiple relevant, traceable and reasonably consistent sources.

Before committing

Verify local regulatory status, product label/claims, logistics, shelf life, release/application method, compatibility with the existing IPM program, and whether the evidence matches the intended crop-pest-production context.

Decision band	Meaning	Suggested next step
80-100	Strong candidate	Proceed to implementation planning or targeted validation
60-79	Promising	Resolve the main evidence and compatibility uncertainties
40-59	Conditional	High due diligence before commitment
<40	Weak candidate	Reconsider or compare alternatives

Use note: This toolkit supports structured professional judgment. It does not replace pesticide labels, local regulations, regulatory approvals, safety requirements, or project-specific expert review.

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