

Seeking Approaches to Reduce the Application Cost of an Agrochemical Active Ingredient

Certis Belchim, an expert in crop protection, is seeking novel **technologies to optimize the production and reduce the application cost of its herbicide, metobromuron**. Specifically, the team is interested in approaches that **reduce the cost to produce the metobromuron compound to 6-8 €/kg** or **formulation improvements that reduce the dose rate of the herbicide by 50%**. All approaches should be able to be **scaled up to industrial quantities**.



Optimization of the production process:

- New **chemical synthesis methods** that achieve minimum gram level quantities, preferentially kg or ton level
- **Open for new production technologies**, e.g. continuous flow reactors, enzymatic production, etc.
- Improvements that make the production process more environmentally friendly are also of interest

Optimization of the formulation:

- Open to a **range of formulation methods**, e.g. capsule suspensions, oil-based formulations, etc.
- **Adjuvants and enhancers** that reduce the dose rate of the herbicide are of interest
- Mixtures of metobromuron with other herbicides that would achieve the same effect with a reduced cost

Out of Scope:

- Chemical syntheses that only achieve microgram quantities
- Novel herbicides and methods that cannot be applied to metobromuron

Developmental Stages of Interest:

- Opportunities should have at least lab-based proof of concept with a relevant example compound

Submission Information

Submission of one-page, 200–300-word briefs is encouraged, along with any optional supplementary information e.g. relevant publications. This campaign is open to submissions from SMEs and start-up companies. Submitters ideally have experience on industrial scale. In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Opportunity for Collaboration

Our client is open to a range of collaboration opportunities, with the most appropriate outcome being decided on a case-by-case basis. Example outcomes include licensing assets and research collaborations. Successful submissions could lead to a joint development program with Certis Belchim to develop the approach on an industrial scale.

Opportunities sought

-  Technologies
-  Academics and expertise
-  Centres of excellence
-  Research projects
-  Spinout companies

Submissions

Please submit relevant, non-confidential opportunities online [here](#)

Deadline: **TBC**

Have any questions?

Contact our team at discover@in-part.co.uk



Certis Belchim B.V. combines the strengths of two well-established businesses with expertise in product development, registration and marketing and best-in-class technical and product knowledge in the Agrochemical business.

