

## Breakfield

### M-trophs for sustainable agriculture

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Pink-pigmented facultative methylotrophs in the genus *Methylobacterium* (M-trophs) are highly abundant members of the plant microbiome. NewLeaf Symbiotics is harnessing the power of these beneficial bacteria to improve yield and strengthen plants under field conditions. We are optimizing genotypic and phenotypic data in our Prescriptive Biologics Knowledgebase™ (PBK) to make predictions of which M-trophs will perform best for a given condition and crop. These predictions are tested in the field, and these data are used to improve our processes. This pipeline has led to the introduction of our first two products, Terrasym 401 for soybean and Terrasym 402 for peanut.