

Agrochemical R&D and Manufacturing

Veteran team, nimble R&D and manufacturing experience in an extensive range of pharmaceutical, industrial, and agricultural chemicals Confidential, Property of Vulpes Agricultural Corp.

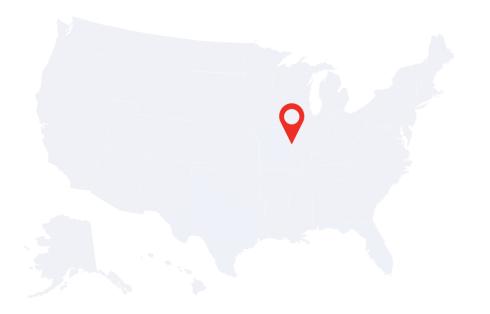


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Company



Vulpes's U.S. Beginning:

30+ years of chemical R&D and manufacturing

Reshoring all R&D and manufacturing to the U.S. (especially in St. Louis)

New product line just for the U.S. market



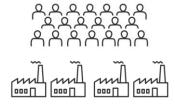




Vulpes's Chinese Presence:

Deep supply chain integration

Dedicated team & factories



20+ keyR&D employees.4 factories,~200 contract FTE.



Facilities



Chiral Amino Acid manufacturing equipment at Shangyu manufacturing plant



o-Cresol derivatives manufacturing equipment at Wuhai manufacturing plant



Alkylhydroxylamine manufacturing equipment at Chuzhou manufacturing plant

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L-glufosinate Technology

- Novel chiral source material
- Novel process to protect Amino throughout the synthesis
- Simple manufacturing process



L-glufosinate Technology

	BASF/AgriMetis	Hoechst	Lier	Meiji Seika	Vulpes
Cost	High	High	High	Very High	Low
Environmental Impact	High	High	Mild	Prohibitive	Low
Industrial Readiness	Developing	On Pause	Operational	On Pause	Developing



O-alkylhydroxylamine Technology

- Novel process for alkylhydroxylamine hydrochloride operational
- Addressing all the existing problems with yield, byproduct, and environmental impact



O-alkylhydroxylamine Products

- Clethodim
- Sethoxydim
- Kresoxim-methyl
- Dimoxystrobin
- Orysastrobin
- Trifloxystrobin
- Metominostrobin
- Fluoxastrobin



Fluorinating Technology

- Proprietary fluorinating agent that can be recycled
- Simple separation of product and byproduct
- Simple manufacturing conditions (no volatile, toxic, etc. reactions)



Fluorinating Products

- Pyroxasulfone
- Inpyrfluxam
- Fluindapyr
- Fluxapyroxad
- Bixafen
- Isopyrazam
- Penthiopyrad



Fluorinating Products

- Benefin
- EthalFluralin
- Fluazinam
- Flumetralin
- Oryzalin
- Pendimethalin
- Prodiamine
- Trifluralin



Aminopyrimidine Technologies

- Two decades of experience
- Second generation of proprietary technologies



Aminopyrimidine Products

- Chlorsulfuron
- Ethoxysulfuron
- Flazasulfuron
- Foramsulfuron
- Halosulfuon-methyl
- Imazosulfuron

- Iodosulfuron-methyl
- Metsulfuron-methyl
- Rimsulfuron
- Sulfosulfuron
- Trifloxysulfuron-sodium





Custom R&D & Manufacturing

- Mepiquat Pentaborate
- Cyclanilide
 - 2 months from initial interest to sample and proprietary IP during COVID



Procurement

New Supply Chain Unit

- Founded by core team of the agrochemical unit of ZMC
 - ZMC is a top 10 medical & health product importing and exporting service in China
- Extensive supply chain relationship
 - Logistics services (including container availability)
 - Deep procurement networks



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