



IRIS POLYMERS INDUSTRIES PVT. LTD.

www.irispolymers.com

Hi THERE!

Welcome to **IRIS POLYMERS INDUSTRIES PVT. LTD.**, where we provide innovative agricultural solutions to farmers. Our products are designed to enhance crop productivity and optimize resource usage. With a focus on sustainability and environmental stewardship, we are committed to helping farmers achieve their goals and contribute to a more sustainable future.



KEEN

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ABOUT US

"Growing sustainable solutions with IRISPolymer - Empowering farmers for a better future."

Iris Polymers Industries Private Limited is the leading manufacturing company in the industry of **Mulching Film, Drip Irrigation, PVC Pipe, Silage Film & other allied Agricultural products**. Iris Polymers Industries Private Limited was founded in the year **2011** under the guidance of **CEO & MD, Mr. Arun Awatade** having **12+ years** of experience and immense domain knowledge in this industry that has helped in acquiring huge clientele across the nation & overseas market.

We have progressed exponentially in these coming years to be among the leading manufacturer of Agriculture and Industrial packaging films. We adhere to our commitment to produce quality product and supply in time. We believe in utilizing latest technology to maintain the consistency and accuracy of our products.





WHY US?

-  High standard Product Quality.
-  State of the art infrastructure.
-  The customized solution as per the customers' requirements.
-  On time delivery.
-  Expert, Committed and Highly Motivated Team.
-  Ethical business practices.

MISSION & VALUES

Vision:

Our vision is to deliver standard quality products with advanced facilities and give customized solutions as per the requirements of our customers which give us a winning edge over other companies in the market.

Mission:

Our mission is to bring the latest technology to our Indian Farmers. We are aiming for the betterment, prosperity, and sustainability of Agriculture and farmers globally.



Values:



Customer
Centric



Innovation



Sustainability



Quality

PRODUCTS & SERVICES



MULCH FILM

Types of Mulch Film:

- **Silver Black Mulch**
(Reflect the temperature of the soil implanting bed)
- **White Black Mulch**
(Reduce the soil temperature)
- **Yellow Mulch**
(Attracts certain insect and acts as a trap for them)
- **Red Mulch**
(Reflect radiation into plant canopy)
- **Biodegradable Mulch**
(Keep soil free from pollution)

Specifications:

1. Prime Mulch Film

| | |
|-------------|----------------------------------|
| LENGTH | 400 M, 800 M, 1000 M |
| WIDTH | 1 M, 1.2 M |
| THICKNESS | 20, 25, 30, 50, 100 Micron |
| WARRANTY | 3, 5, 8, 12 Months |
| COLOURS | Silver Black & White Black |
| MATERIAL | LDPE/LLDPE |
| APPLICATION | Agricultural Farms, Horticulture |
| PACKAGING | Rolls (Pack of 2) |

2. Pyramid Mulch Film

| | |
|-------------|----------------------------------|
| LENGTH | 400 M, 1000 M |
| WIDTH | 1 M, 1.2 M |
| TYPES | Gold, Diamond, Platinum |
| WARRANTY | 3, 5, 7 Months |
| COLOURS | Silver Black & White Black |
| MATERIAL | LDPE/LLDPE |
| APPLICATION | Agricultural Farms, Horticulture |
| PACKAGING | Rolls (Pack of 2) |

3. Non-Prime Mulch Film

| | |
|-------------|----------------------------------|
| LENGTH | 400 M, 1000 M |
| WIDTH | 1 M, 1.2 M |
| THICKNESS | 20, 25, 30, 50, 100 Micron |
| COLOURS | Silver Black |
| MATERIAL | LDPE/LLDPE |
| APPLICATION | Agricultural Farms, Horticulture |
| PACKAGING | Rolls (Pack of 2) |

As a manufacturer we can customised as per requirement.

Advantage of Mulch Film

- Prevents Loss of Moisture.
- Conservation of Water or Water Retention.
- Control Weed growth.
- Establish soil Balance.
- Earlier and higher overall yield.
- Decrease in the utilization of Fertilizer.



DRIP IRRIGATION

Inline Drip irrigation System

A. Flat Inline Drip

Specifications:

- **Outer diameter:** 12 MM, 16 MM and 20 MM
- **Thickness (For 12 MM):** 0.25 MM, 0.4 MM, 0.5 MM
- **Thickness (For 16 MM):** 0.2 MM, 0.3 MM and 0.5 MM
- **Thickness (For 20 MM):** 0.3 MM, 0.4 MM and 0.5 MM
- **Discharge:** 2 LPH and 4 LPH
- **Spacing between the drippers:** 20, 30, 40, 50 and 60 CM
- **Life of the drip lines:** 2 YRS for 0.2 MM, 3 YRS for 0.3 MM and 5 YRS for 0.5 MM thickness driplines.



Features:

- Minimal clogging and self cleaning drip pipes.
- Uniform discharge rate throughout the length of the drip line.
- Pipes can be rolled up, re-used and stored for another season.
- Cost effective Drip lines with high durability.

B. Round Inline Drip

Specifications:

- **Diameter:** 12 MM, 16 MM and 20 MM
- **Discharge rates:** 2 LPH and 4 LPH
- **Emitter spacing** is available starting from **20 CM** up to **100 CM** at any interval.
- **Recommended filtration** is **120 Mesh**, using a **screen** or **disc filter**.



Features:

- Its Labyrinth type emitter features a self-cleaning built-in strainer at its inlet which prevents clogging.
- Its jointless design guarantees longer lateral lengths with uniform emission.
- Easy mechanical installation regardless of crop density.
- Multi outlet emitter for a more uniform water distribution.
- Pipes can be rolled up, re-used and stored for another season.

Online Drip Irrigation System

Lateral Pipe



Specification:

| Size/OD | OD | | CLASS- 1 | | CLASS- 2 | | CLASS- 3 | |
|---------|-----|------|----------------|-----|----------------|-----|----------------|-----|
| | | | Wall Thickness | | Wall Thickness | | Wall Thickness | |
| | Min | Max | Min | Max | Min | Max | Min | Max |
| 12+0.2 | 12 | 12.2 | 0.6 | 0.8 | 0.9 | 1.1 | 1.2 | 1.4 |
| 16+0.2 | 16 | 16.2 | 0.8 | 1 | 1.1 | 1.3 | 1.4 | 1.6 |
| 20+0.2 | 20 | 20.2 | 0.9 | 1.1 | 1.2 | 1.4 | 1.5 | 1.7 |
| 25+0.3 | 25 | 25.3 | 1.2 | 1.6 | 1.7 | 2 | 2.1 | 2.4 |
| 32+0.3 | 32 | 32.3 | 1.5 | 1.9 | 2 | 2.4 | 2.5 | 2.9 |

PVC PIPE & AGRI FITTING

Specifications:

| Nominal Outside Diameter (Nominal Size) | Mean Outside Diameter | | Wall Thickness | |
|--|-----------------------|-------|-----------------|-----|
| | | | Class 2 0.4 MPa | |
| | Min | Max | Min | Max |
| | | | - | - |
| 50 | 50 | 50.3 | - | - |
| 63 | 63 | 63.3 | 1.5 | 1.9 |
| 75 | 75 | 7.53 | 1.8 | 2.2 |
| 90 | 90 | 90.3 | 2.1 | 2.6 |
| 110 | 110 | 110.4 | 2.5 | 3 |
| 140 | 140 | 140.5 | 3.2 | 3.8 |
| 160 | 160 | 160.5 | 3.7 | 4.3 |

Features:

- Agriculture Pipes and Fittings are lightweight, easy to install and value for money.
- Agriculture pipes are all-weather friendly, corrosion and rust-resistant as well.
- Agri PVC pipes and fittings are tough, durable and can manage high water pressure and withstand external weight.



UPVC Pipe

Specifications:

| Nominal Bore | Outside Diameter | Sch-40 | | Sch-80 | |
|--------------|------------------|----------------|------------------|----------------|------------------|
| | | Wall Thickness | Working Pressure | Wall Thickness | Working Pressure |
| (Mm) | (Mm) | (Mm) | (Kg/Cm2) | (Mm) | (Kg/Cm2) |
| 15 | 21.34 +/- 0.10 | 2.77 + 0.51 | 42.4 | 3.73 + 0.51 | 59.75 |
| 20 | 26.67 +/- 0.10 | 2.87 + 0.51 | 33.75 | 3.91 + 0.51 | 48.5 |
| 25 | 33.40 +/- 0.13 | 3.38 + 0.51 | 31.6 | 4.55 + 0.53 | 44.25 |
| 32 | 42.16 +/- 0.13 | 3.56 + 0.51 | 26 | 4.85 + 0.58 | 36.6 |
| 40 | 48.26 +/- 0.15 | 3.68 + 0.51 | 23.25 | 5.08 + 0.61 | 33 |
| 50 | 60.32 +/- 0.15 | 3.91 + 0.51 | 19.65 | 5.54 + 0.66 | 28.1 |



Advantages:

- Strength and durability.
- Non-toxic.
- Low maintenance.
- Economical installation.
- Smooth flow.



SILAGE FILM

Specifications:

- **Length:** 1000 M/1200 M/1500 M
- **Width:** 250 MM, 350 MM, 500 MM, 520 MM, 750 MM, 950 MM
- **Colours:** Milky White/Black/Green



Also being manufacturer we can customize any size as per customer requirement.

Advantages:

- Avoid the silage from spoiling.
- Enhances the nutritional value of silage during storage.
- Stores the grass or silo for long time.
- Helps to give the fodder to animals in non-seasons also.
- UV content in the film protects the silo moisture content from Sunlight.
- Low-cost: No investment on storage tank or warehouse for forage Durability.
- Avoids waste and saves cost.

CROP COVER

Specifications:

- **Length:** 400 M, 625 M, 1000 M
- **Thickness:** 17, 20, 25, 30 GSM
- **Colour:** White
- **Material:** Non-Woven



Advantages:

- Prevents soil erosion.
- Prevents weed.
- High Durability.
- Optimum air permeability.
- Benefit fruit growth.

STRETCH FILM

Types of Stretch Films:

1. Hand Grade
2. Machine Grade



Specifications:

- **Length:** 100 M Above
- **Width:** 0.05 M To 1.5 M
- **Thickness:** 23, 25 Microns and Above
- **Colour:** Transparent
- **Material:** LDPE/LLDPE
- **Processing Type:** Cast/Blown

Advantages:

- Material is 100% pure LLDPE.
- Saving cost and handling time advanced technology and equipment.
- Great ideals for protecting goods from moisture, rust and dirt economical materials of unitizing.
- No harm to environment.

SHRINK FILM

Specifications:

- **Length:** 100 M Above
- **Width:** 0.05 M To 1.5 M
- **Thickness:** 23, 25 Microns and Above
- **Colour:** Transparent
- **Material:** LDPE/LLDPE
- **Processing Type:** Cast/Blown

Advantages:

- Protects against moisture and high clarity.
- Can wrap varied shapes of containers and UV resistant.
- Excellent moisture barrier property.
- Recyclable and tamper evident.
- Excellent protection to products and anti-tactic in nature.
- Excellent sealing consistency and high holding force.





SHADE NET

Specifications:

- **Length:** As per Requirement.
- **Width:** 1 M to 6.2 Mt
- **Thickness:** 100 GSM to 200 GSM
- **Material:** HDPE
- **Shade Factor:** 40%, 50%, 75%, & 90%

Advantages:

- Enhances photosynthesis by manipulating the amount and quality of light.
- Improves productivity by moderating extremes of temperatures, and prevents sunburn.
- Reduces crop damage against hail, heavy rain, and winds.
- Provides a pleasant working environment.
- Uniform shade soil support.
- Excellent sealing consistency and high holding force.

PHEROMONE TRAP & LURES

• Pheromones Trap

1. Fly Trap
2. Macphail Trap
3. Funnel Trap
4. Delta Trap
5. Water Trap

• Lure

1. Melon Lure
2. Fruit Lure
3. Leucinodes Lure
4. Spodaptera Lure
5. Helicoverpa Lure
6. Tuta Lure

• Sticky

1. Yellow Sticky
2. Blue Sticky
3. White Sticky
4. Insect Glue Trap

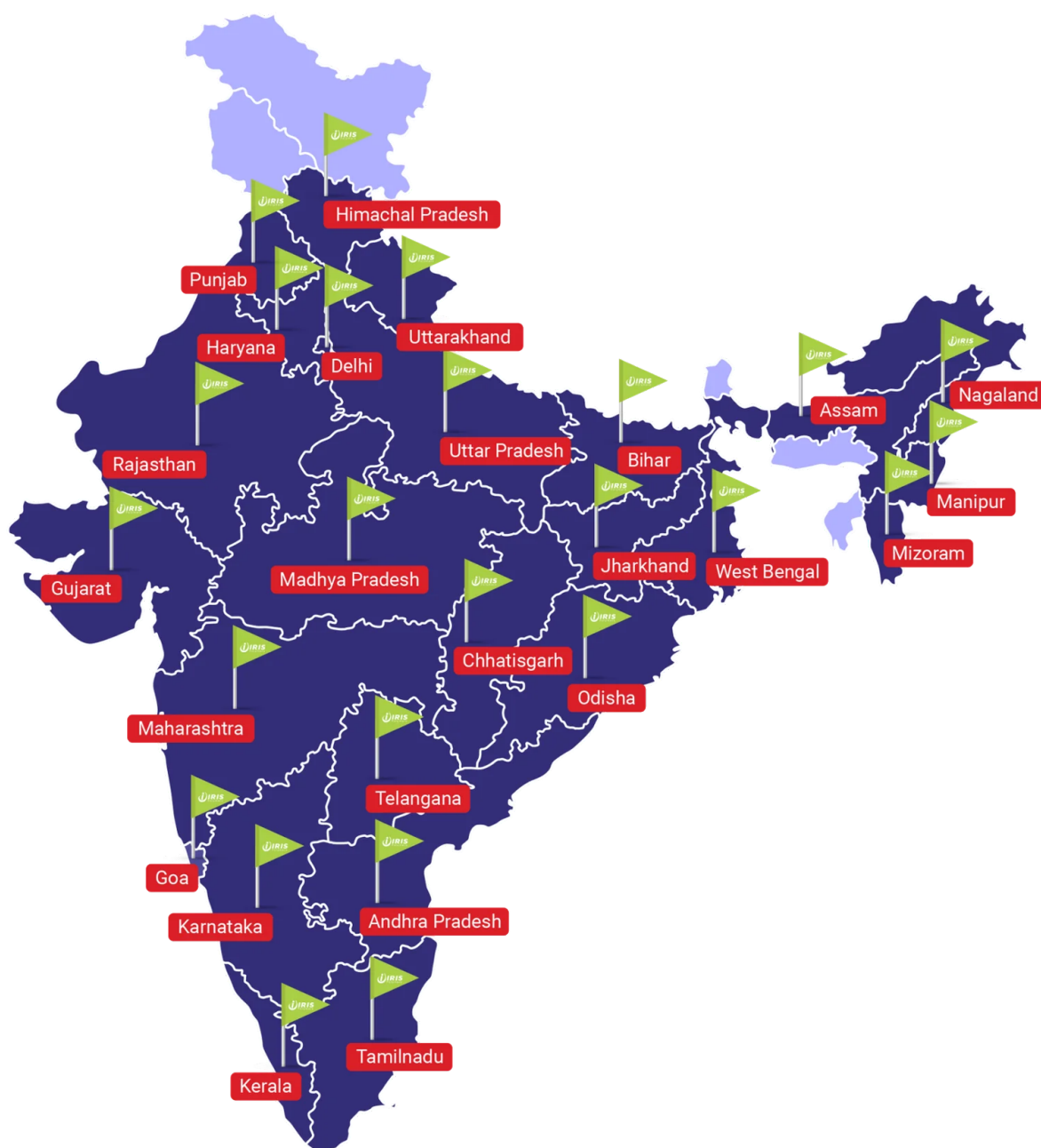


Advantages:

- Breaks the lifecycle of insect.
- Cost saving on spraying of insecticides & pesticides.
- It traps insect & pest in early stage to avoid leaf mining & fruit loss.
- Non toxic.
- No residue on food.
- Easy to install and manage.
- Pheromone are low cost hence affordable.

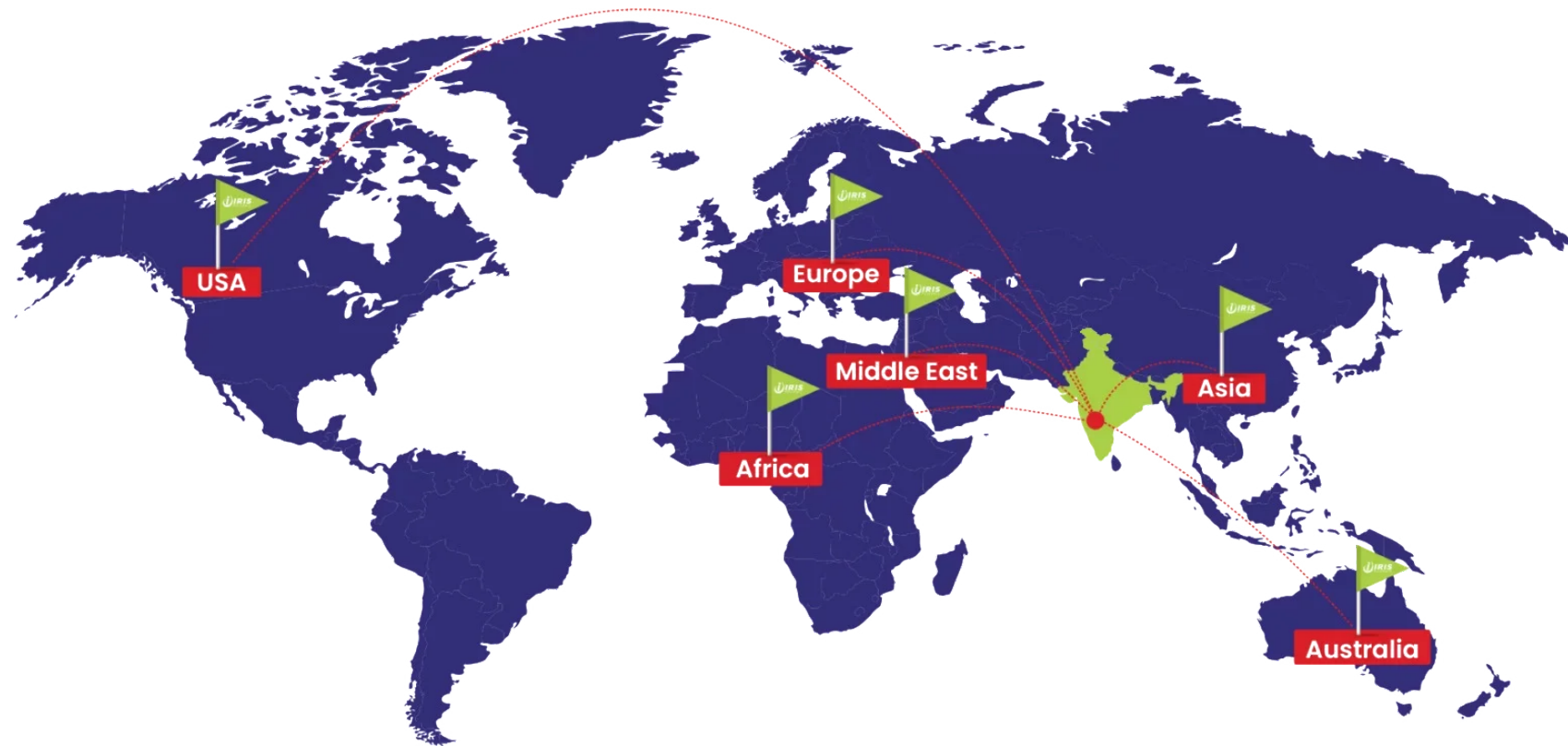
TARGET MARKET

Pan India



INDIA MAP

India being the major market we also export our products to:



WORLD MAP

FOUNDER

ARUN AWATADE

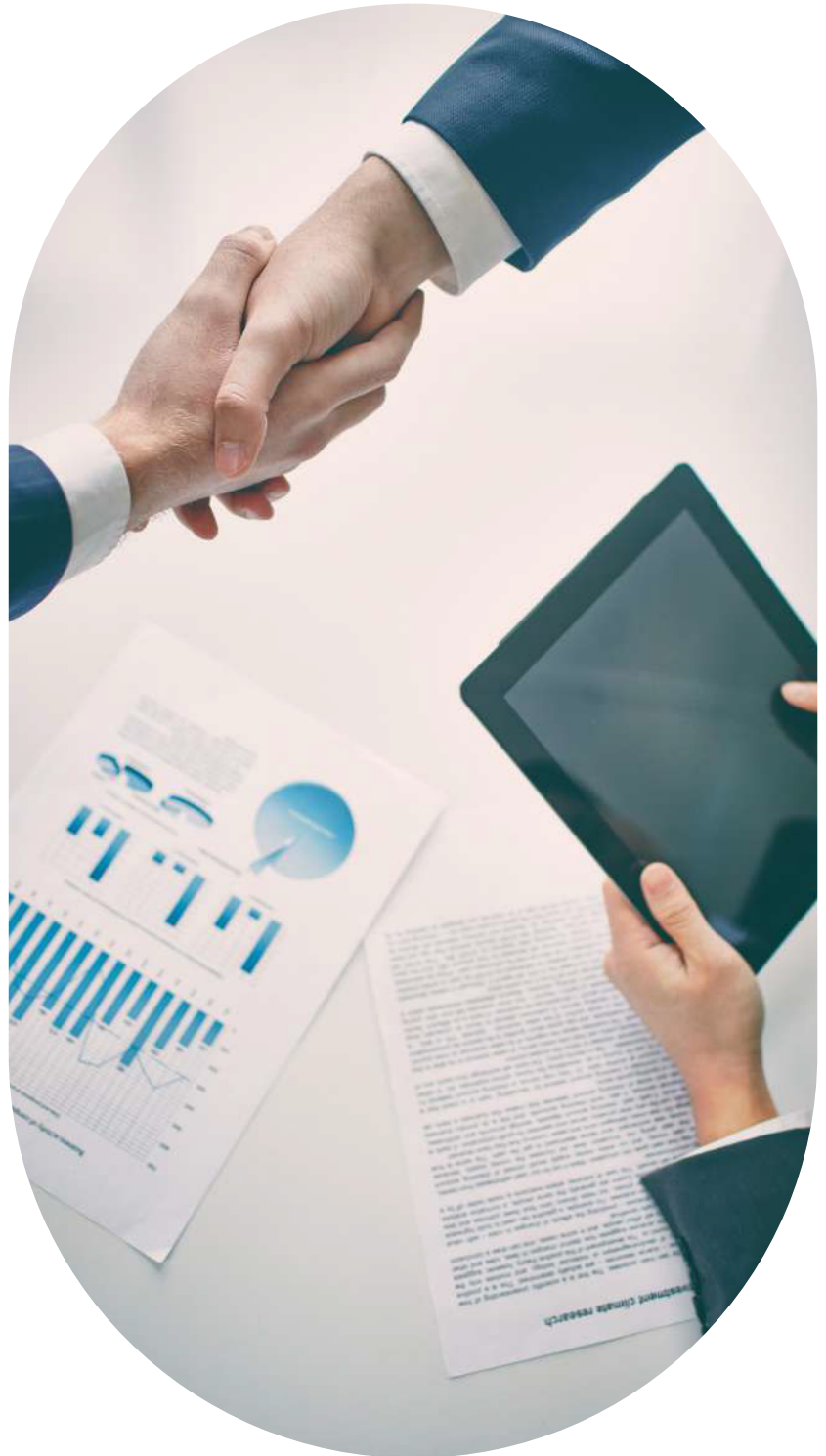
Founder & Managing Director,
Iris Polymers Industries Pvt. Ltd.



Arun Awatade is a prominent figure in the agriculture equipment industry and the **Founder and Managing Director of Iris Polymers Industries Pvt. Ltd.** As a young and ambitious leader, he actively drives the growth and expansion of his company on a global scale while setting an example through his own commitment and dedication to its success. Under his direction, Iris Polymers Industries Pvt. Ltd. has seen significant growth and expansion.

- He has over a decade of experience in the manufacturing of **agricultural and industrial products**. He has a deep understanding of the **Indian Agriculture sector**.
- He is accountable for the **growth and expansion** of the company with **100+ distributors in India** & constantly expanding worldwide with presence in over **6 countries**.
- He is dedicated to driving **innovation** within the company by expanding the company portfolio to **industrial packaging & PVC pipes**.

OUR VALUABLE PARTNERS



AWARDS & RECOGNITION



Was awarded the **Green Business Ambassador 2023–2024**
“Empowering Grassroots for Sustainable Development”



Was included in the list of **50 Most impactful Green leaders** at
Taj, Mumbai.



Proud recipient of the **JRD Tata Award** for **Social Innovation Entrepreneur of the year 2016** under the category of **Grass-root startups** for inclusive growth hosted by **New Delhi by BYST** for his entrepreneurship.



Was awarded the prestigious **Social entrepreneur of the year 2014** Award hosted by **Youth Business International (YBI)**.



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