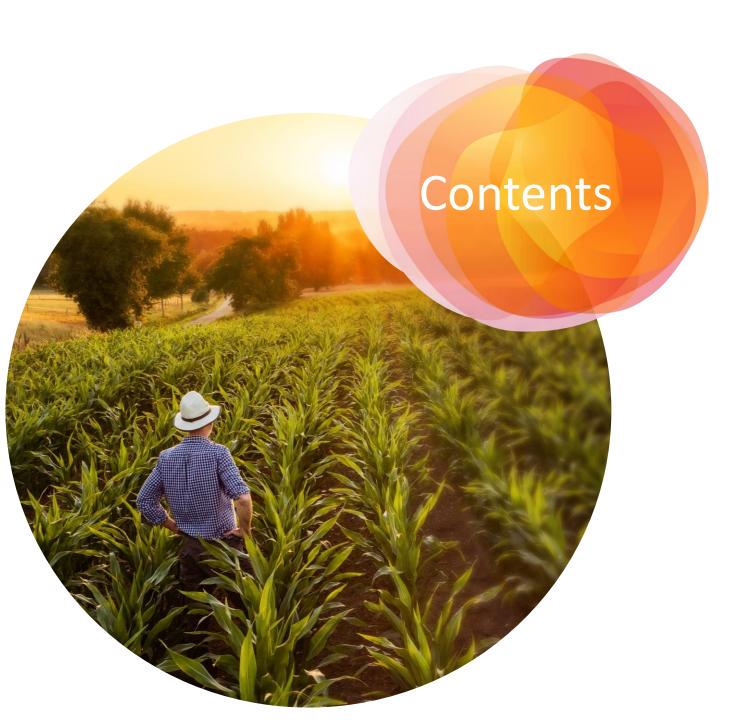




Working with farmers in 130+ countries to help them feed the world sustainably





Embedding Sustainability @ UPL

Sustainability Performance

Product & Environmental Stewardship

UPL Sustainability Goals

Goal 1



Reduce Environmental Footprint



Enhance World Food Security

Goal 3



Enhance Sustainable Sourcing

Goal 4



Strengthen Community Wellbeing

Embedding Sustainability @ UPL



Triple-Bottomline Approach	Policy & Management System	Sustainability Reporting	Sustainability Certifications	Sustainability Ratings
 Environment Environmental Management Operational Efficiency Energy, Water & Waste 	Sustainability Policy	UPL Down	18	
	Sustainable Procurement Policy	SUSTAINABILITY REPORT 2019-20		Dow Jones Sustainability Indexes
Social HR Safety SDGs	Human Right Policy	Enhancing World Food Security	FTSE4Good Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	FTSE Russell SUSTAINALYTICS
	HSE Policy			
	Product Stewardship Policy			
Governance	Tax Policy			
	Clawback Policy			
	Sustainability Goals & Targets			
Embedded triple- bottomline approach.	Implemented sustainability policy, goals & targets.	Sustainability report as per GRI.	UPL is FTSE4Good & RC logo holders.	Year over year our score is enhancing

At UPL

• We adopted structured approach towards Sustainability.

International Sustainability Rating





UPL included in **DJSI Sustainability Yearbook 2021.**



UPL **Ranked No.1** among all Agrochemicals globally in 2020.



UPL is logo holder of **FTSE4Good**.

UPL sustainability rating has enhanced year over year from last 5-years.

Sustainability Performance @ Manufacturing





Reduced **17%**Sp. Water Consumption from baseline FY 2015-16.



Sp. Carbon Emission from baseline FY 2015-16.



Reduced **43%**Sp. Waste Disposal from baseline FY 2015-16.



19% electric power comes from renewable sources in our largest two manufacturing plants.



Sustainability Performance





UPL, only Agrochemical company in the World included in the **DJSI Sustainability Yearbook 2021** powered by the S&P Global CSA for demonstrating excellence in sustainability.



UPL received the **Asian Sustainability Leadership Award 2021** for Excellence in Sustainability Performance Management.

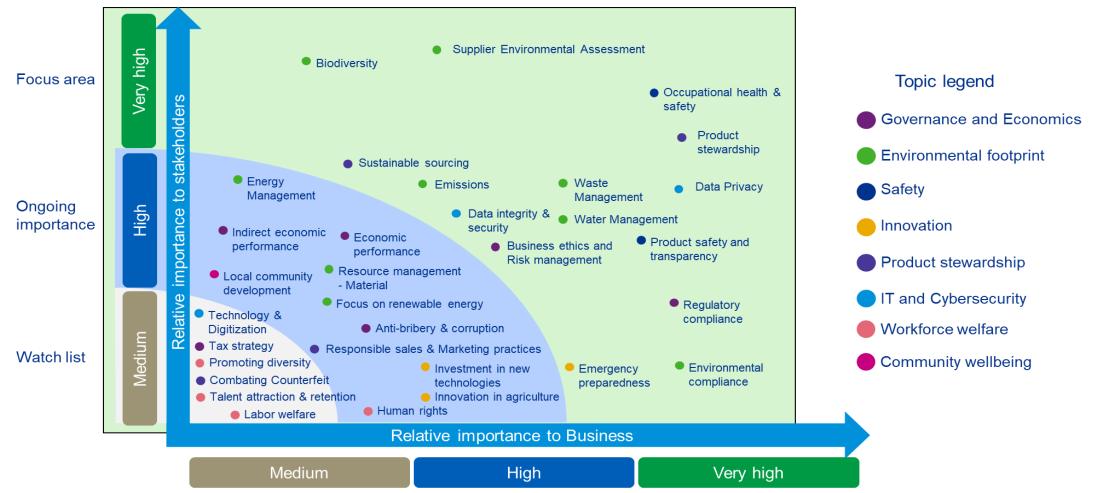


UPL received FICCI
Chemicals and
Petrochemicals Awards
2021 for sustainability in
best green processes.



Materiality Assessment- FY2020-21

Our materiality methodology is guided by the Global Reporting Initiative (GRI) standards, encompassing sectoral, regional, national and global perspectives. We undertook a detailed and fresh stakeholder engagement and materiality assessment in FY2020-21 to identify the most relevant issues to business and UPL's environmental, social and governance impact.



Aligning our targets with our revised material topics FY2020-21



Governance and Economics

- Business ethics & RiskManagement
- ☐ Regulatory compliance

Environmental footprint

- Emissions
- Water management
- ☐ Waste management
- Supplier environmental assessment
- Environmental compliance

Innovation

■ Emergency preparedness

Safety

- Occupational Health & Safety
- □ Product safety and transparency

FY2025 Target

Reduce 20% specific water, 25% specific CO₂ & 25% specific waste from baseline FY2019-20

Product stewardship

Sustainable Sourcing

IT and Cybersecurity

- Data integrity and security
- Data Privacy

Workforce welfare

- Talent attraction and retention
- Human rights

Community well-being

Local community development

FY2025 Target

Achieve 50% revenues from innovative and sustainable solutions to enhance yields and quality

FY2025 Target

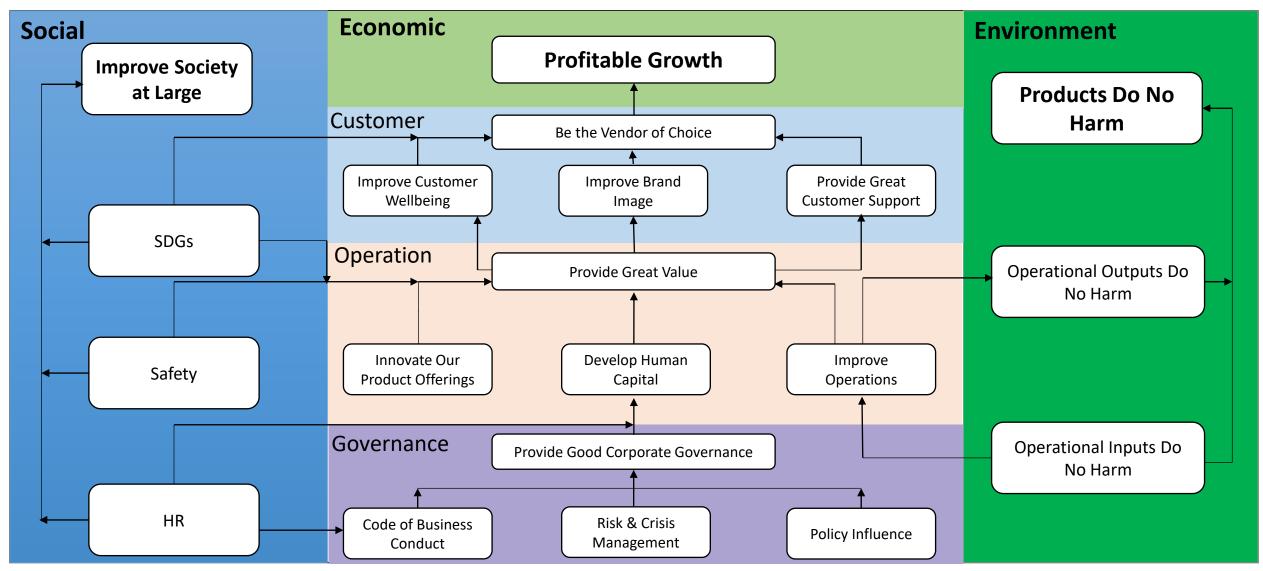
 Achieve 60% Sustainable sourcing

FY2025 Target

Impact 3 million lives through livelihood, education, health and sanitation

Our Sustainability Strategy

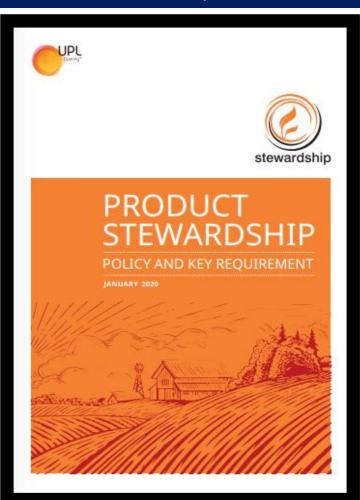




Product Stewardship at UPL



UPL's Product Stewardship Policy



Presence of 7 robust product stewardship principles that represent the cornerstone of UPL's Product Stewardship Policy.



UPL's Product Stewardship Policy aims to support all employees to ensure responsible and ethical management and use of products, based on high-quality standards.

Insights into the 7 principles of our product life cycle approach

Research & Development

- Development of safe and environment-friendly products starts from soil health and plant protection chemicals to post-harvest solutions, among others.
- Enhanced focus on improved efficacy and safer toxicological, ecotoxicological and environmental aspects.
- ❖Regular product testing for product regulatory authorizations across countries in which the company operates.

Manufacturing

- ❖Ensure regular monitoring and control of waste, emissions and effluents in line with national and international regulations and guidelines, across all manufacturing and formulation plants.
- Implementation of adequate technological controls and internal capabilities to enhance the Quality Health Safety and Environment (QHSE) Management System
- ❖For third party manufacturers, we ensure adherence to product stewardship compliance among other contractual obligations

Packaging, Storage & Transport

- Product packaging, storage and transportation is undertaken in adherence to relevant local and international laws.
- Incorporation of requisite Quality, Health, Safety and Environment (QHSE) parameters for the use of packaging materials for purchased goods, intermediaries and finished products.
- Ensure reasonable packaging materials to cater to the requirements of customers, particularly small-scale farmers.

Responsible Use

- Conduct comprehensive and periodic training programmes for employees and customers to ensure responsible management of UPL's products, across their entire life-cycle.
- Any unapproved use or misuse of the product is immediately addressed and reported to requisite functional heads to ensure minimized impact for the company and its stakeholders.

Container Management

- Encourage the safe disposal of empty packages and containers in line with local and international laws.
- Promoting container re-cycling and disposal programs as per local laws.

Integrated Crop Pest Management

Implementing cost-effective crop pest management measures to enable food security, economic sustainability, residue management and resistance management.

Disposal of Obsolete Stock

- ❖Encourage the safe disposal or incineration of obsolete stocks of products.
- Ensure compliance with required regulatory permits, conditions or approvals.
- ❖Pioneered the installation of the first incinerator and landfills to appropriately treat and dispose of waste.





At UPL, we are cognizant of the impact that our business activities have on the environment and communities around us. Furthermore, we are aware of our responsibility to integrate sustainability across our business activities and products. We consistently strive to build a product portfolio that is energy and resource efficient to enable a positive environmental footprint. With our farmers at the heart of all our business activities, we also aim to invest in cost efficient products for all our beneficiaries.

the latest farming practices that are easily accessible to them.

cost savings for farmers. The services provided also aim to minimize crop damage.

Key insights into our responsible product portfolio



ProNutiva

- ☐ An exclusive crop health solution which integrates natural biosolutions such as bioprotection, biostimulants and bionutrition with existing crop protection products to meet the increasing needs of farmers.
- ☐ The programme aims to cover plant requirements throughout the season or at a specific development stage of the crop.
- ☐ The application includes separate or combined applications of BioSolutions and crop protection products via seed treatment, in-furrow, fertigation or foliar spray.
- ☐ ProNutiva provides better, higher yields with less incidence report of phytotoxicity and lower residual level despite high effectiveness.



- ☐ Patented, starch-based, superabsorbent soil enhancement that is designed to ensure a constant supply of moisture available to germinating seed, seedlings, and plants throughout the growing season.
- ☐ Aims to have a positive impact on soil health in addition to reducing the use of irrigation water.
- ☐ Positively impacts soil microbiome and supports the soil food web with the advantage of its biodegradable nature.
- ☐ Reduces nutrient leaching, promotes greater plant root and biomass development as well as consistent plant size and crop quality across fields.
- ☐ Reduces stress caused due to heat and lack of moisture during hot and dry periods.





- Adarsh Kisan Centre, a remote advisory contact centre for farmers has a robust presence across Mumbai, Chandigarh and Vizag. These centres aim to resolve crop-related farmer queries, concerns or issues across India.

☐ Implementing a myriad of local awareness, engagement and training initiatives to ensure small-scale and marginal farmers are updated on

Adarsh Farm Services aims to provide high-tech tractor-mounted spray equipment that enables a significant reduction in time and propels

UPL Centre for Agriculture Excellence (CAE), Nahuli provides free training on modern scientific agriculture practices, along with requisite accommodation measures for farmers or agriculture students from India or overseas.

Farmer Engagement Initiatives

Product Stewardship







Saved 25% Product Consumption through UPL's Spraying services



Saved 45 lac tons Potatoes through UPL's Post Harvesting solutions

Our Target is to achieve 50% revenue from innovative and Sustainable Solution to enhance agriculture yield.

Environmental Stewardship at UPL

As a responsible corporate citizen, we aim to bridge progress and enhance sustainability for all our stakeholders. We consistently strive to augment resource conservation and capitalize on opportunities to build resilience across our business activities and product portfolio. In this regard, we have further aligned our business activities to our sustainability goals and 2025 targets in order to mitigate environmental risks and enable positive environmental impact.

Energy Efficiency

Total Energy Consumption	FY2018-19	FY2019-20	FY2020-21
A.Non-renewable fuels (MWh)	2,058,632	2,307,410	2,228,607
B.Non-renewable electricity purchased (MWh)	236,544.1	241,946.078	305,064
C.Non-renewable energy purchased (MWh)	1710.668	40,050.189	51,958
D.Total renewable energy purchased or generated (MWh)	8,397.784	26,771.201	44,892
E.Total non-renewable energy sold (MWh)	0	9,450.63	11,510
Total non-renewable energy consumption (MWh) (A+B+C)	2,296,877.768	2,579,955.637	2,574,119
Total costs of energy consumption (INR)	4,352,461,319.27176	5,150,000,000	5,810,000,000

Carbon Emission Management

Scope of emissions (metric tonnes CO2 equivalents)	FY2018-19	FY2019-20	FY2020-21
Direct emissions (Scope 1)	624,569	710,656.641	712,047.39
Indirect emissions (Scope 2)	148,785	184,315	226,824



Water Management

Water Consumption	FY2018-19	FY2019-20	FY2020-21
Water withdrawal- Municipal supply (Million cubic meters)	4.308	4.620	5.047
Water withdrawal- Fresh surface water (Million cubic meters)	0	1.276	0.446
Water withdrawal- Fresh groundwater (Million cubic meters)	0.032	0.098	0.061
Total net fresh water consumption (Million cubic meters)	4.34	5.994	5.554

Waste Management

 \otimes

24,521 MT of nonhazardous waste was recycled or sent for co-processing



16,166 MT of hazardous waste was recycled or sent for co-processing



136,134 MT total hazardous waste generated



12,284 MT total nonhazardous waste generated and disposed

UPL Initiative for Sustainable Agriculture



UPL's ESG-friendly biological product portfolio

Enhanced Biological Offerings Through The Strategic Acquisition Of Arysta

BioControl: Technology Platform



Mineral

- Targets downy mildew type diseases and bacterial diseases
- Fixed copper base registered across the world

MICROTHIOL

Mineral

- Targets powdery mildew and other diseases
- Patented micro-dispersion formulation technology delivering superior product quality

NOCTOVI

Plant Extract

- Targets downy mildew type diseases and bacterial diseases
- Fixed copper base registered across the world

Vacciplant 🗇

Active substance extracted from seaweed

- Registered in over 16 countries
- Stimulates the natural defense of plants with no residue
- Patented product, with EU / Annex 1 inclusion

Carpovirusine

Virus extracted from larvae

- Targets codling moth and oriental fruit moth with over 24 registrations globally
- · Virus-based, sustainable reference

Ph-D

Active substance extracted from fungus

- Targets botrytis, Alternaria, powdery mildew etc. in tree nuts, fruits, berries and pome fruits
- Bacteria based microbial

BioStimulant: Technology Platform



Metabolically Active Compounds

- Protects plants from overproduction of ROS under stress
- Optimize gene expressions by up and down regulating



Corn Starch Based

 Patented superabsorbent soil enhancement to keep a constant supply of moisture to germinating seed, seedlings, and plants throughout the growing season



Plant Extract

- Seed treatment and foliar applications for increased yield and marketable quality
- Registered in over 28 countries



Nitrophenols

 Helps manage climatic stress, with increased biomass accumulation and photosynthetic activity

BM START

Seaweed Extract

- Secures fruit setting and increases fruit setting quality, leading to improved marketable yield
- · Can help reduce cold weather impact during flowering



Seaweed Extract

 Physioactivator of nutrition with optimal behavior of the upper leaves, with excellent performance in rice



Aminoglycoside antibiotic

 Targets bacterial diseases including streptomycin resistant bacteria. Aminoglycoside antibiotic registered in 20 countries for plant use. Not effective on human and animal diseases







Recent Successes (Sustainable Technologies)



New Sustainable Technology Sourcing, Piloting & Deployment



Scaleban

Implemented to recycle ETP treated water into cooling tower upto 250000 ppm TDS. This help us to reduce abstracted water demand in cooling tower.



Volute

Implemented for efficient dewatering of ETP sludge. This will help us in efficient management of sludge dewatering in our effluent treatment plant.



DAF-MBBR

Implemented for efficient biological treatment of wastewater. This help to reduce area occupancy & operating cost.



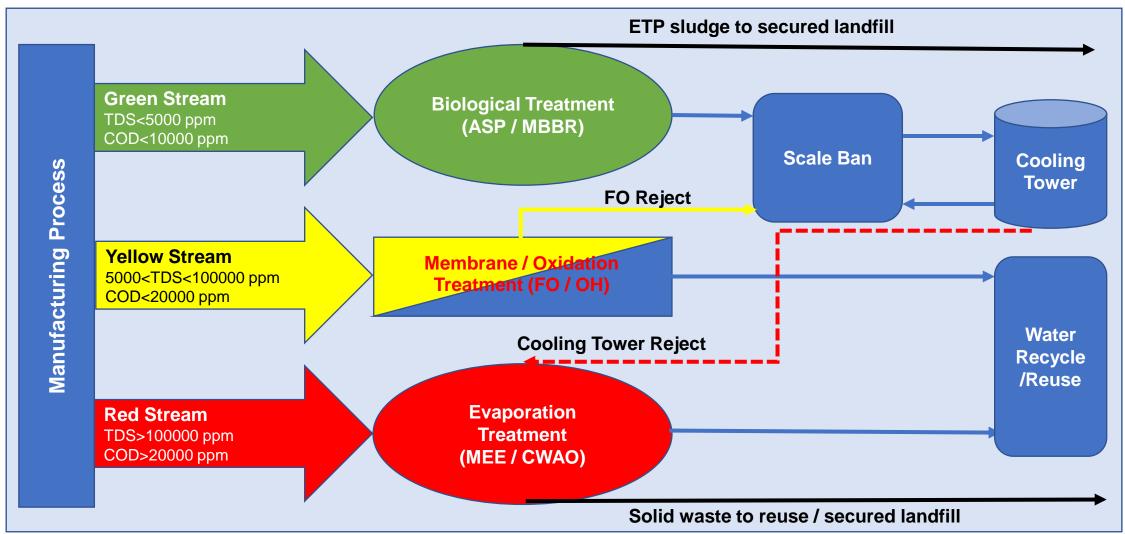
FO Technology

Implemented for efficient treatment of high TDS & low COD effluent stream. This help us to enhance reuse & recycling of treated wastewater.

1st among agrochemical companies in the World, successfully implemented these new sustainable technologies to reduce the environment footprint of our manufacturing plants.

Recent Successes (Sustainable Wastewater Treatment Scheme)

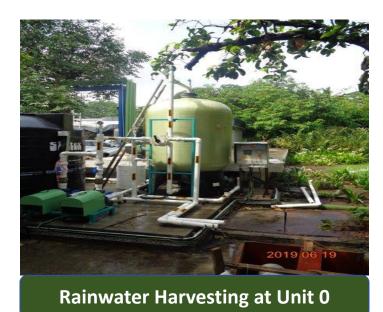




Wastewater stream identification, characterization, segregation & treatment is key to manage complex effluent.

Recent Successes (Rainwater Harvesting & Reuse)











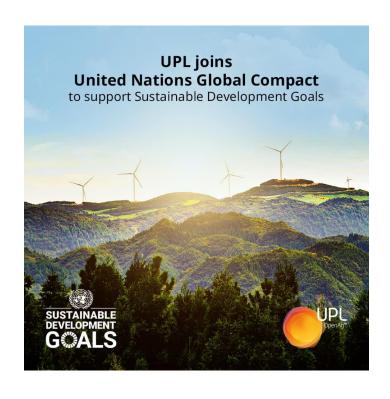
Rainwater Harvesting & Reuse systems are installed in our manufacturing plants to decrease abstracted water demand and reduce dependency on ground & tanker water.

Committed To Set SBTs





DRIVING AMBITIOUS CORPORATE CLIMATE ACTION



UPL has signed commitment letter to set science-based targets to keep global temperature increase below 2°C.

Our Priority SDGs



Our Sustainability Ambition































The United Nations adopted the 'Agenda 2030' with a total of 17 Sustainable Development Goals (SDGs) in September 2015 to end poverty, protect the planet, and ensure prosperity for all.

Our ambition is to achieve the 'UN Sustainable Development Goals' to transform our world.

We have identified five priority SDGs for UPL among 17 SDGs.











UPL Sustainability Goals By 2025



Sustainability vision

Working with farmers to help them feed the world sustainably

Goals by 2025



Target

Reduce 20% specific water, 25% specific CO2 & 25% specific waste from baseline FY2019-20

Achieve 50% revenues from innovative and sustainable solutions to enhance yield

Achieve 60% sustainable sourcing

Impact 3 million lives through livelihood, education, health and sanitation

Goal 1: Reduce Environmental Footprint



2025 Target

Reduce manufacturing environmental footprint from baseline FY2019-20.

- Reduce 25% Sp. CO2 emission.
- Reduce 20% Sp. Water consumption.
- · Reduce 25% Sp. Waste disposal.

Priority SDGs





FY2021-22 Targets

Reduce over FY2019-20

Specific CO₂ emission by

10%↓

Specific water consumption by

10%↓

Specific waste disposal by

10%↓

Projects for FY2021-22



CO₂ reduction

- Utilisation of biomass as a source of energy: Working on installing a biomass boiler for steam generation
- Recycling 100% plastics used in packaging
- Use of renewable energy through green power purchase agreements
- Process and technology innovation to reduce CO₂ emission



Water consumption reduction

- Scale-Ban technology to reduce cooling tower water demand
- · Rainwater harvesting to reduce abstracted water demand
- · Recycling and reuse of green effluent stream
- Forward Osmosis technology for effluent recycling



Waste disposal reduction

- Reduce moisture in ETP sludge from 70% to <25%
- Biological treatment of incinerable waste, U4 & U5
- Zero liquid discharge at one of our units in India
- Wastewater stream identification and segregation

Note: Specific is a measure per MT of production

Goal 2: Enhance World Food Security



2025 Target

Achieve 50% revenues from innovative and sustainable solutions to enhance yields and quality

FY2021-22 Targets

Achieve 30%

revenues from innovative and sustainable products

Priority SDGs





We aim to contribute to food security by supporting farmers with our product and service portfolio to feed the world sustainably

Projects for FY2021-22

R&D

- New products and mixtures to address farmer pain-points
- OpenAg Center: Technology Partnering, Bio-solution R&D
- Expanding network on Field Research Station

Digital and Technology Innovation

- Collaborations for developing precision agriculture tools
- Plant Stress & Stimulation: Sea Weed Extract, Zeba
- Cross Technology Solutions: Pronutiva

Farm to Fork

 Collaborations for Sustainable Farming: Potato, Chilli, Groundnut, Sugarcane

Farm Services

- Spraying service covering ~2 mn acres with target to reach 25 mn acres by 2025
- Farm Advisory

Goal 3: Enhance Sustainable Sourcing



2025 Target

60% sustainable sourcing

FY2021-22 Target

25%

sustainable sourcing

Sustainable Procurement: Results of Initial dipstick Supplier Survey

82

Number of suppliers covered

~₹ 2,600 crore

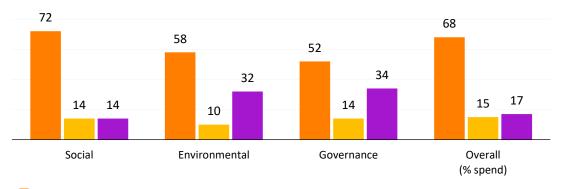
Equivalent spend (US\$ 370 million) (20% spend)

Action Plan for FY2021-22

Procurement from sustainable suppliers

- Policy, framework and toolkit development.
- India, where 40% of our manufacturing is based, will be our key priority for FY2021-22
- Explore and initiate ISO20400 implementation

% suppliers categorized under ESG Parameters (82 suppliers)



- Leaders: score above 60%
- At par with industry: score 40-60%
 - Sensitive: score less than 40% (need improvement)

Priority SDGs





Goal 4: Strengthen Community Wellbeing



2025 Target

Impact 3 million lives through livelihood, education, health and sanitation

FY2021-22 Target

Impact1.5 million livesthrough community initiatives

Projects for FY2021-22

- One Billion Hearts Initiative at Côte d'Ivoire with The Heart Fund to provide universal access to cardiovascular health for 1 billion people by 2030.
- Promote and raise awareness about sustainable development in agriculture and education in society through football with FIFA Foundation
- Partnership with Oxford India Centre for Sustainable
 Development (OICSD) at Somerville College, University
 of Oxford, UK to advance education on sustainability with
 a greater focus on small-holder farmers in the developing
 world
- Establish Centre of Excellence (COE) on process safety management
- Backward and forward linkages for farmers through formation, nurturing and strengthening of Farmers Producer Company

Priority SDGs





Our CSR initiatives has four focus areas:



Institutions of excellence



Sustainable livelihood



Nature conversation



Local and national area need

Sustainability Awards





Asian Sustainability Leadership

Award



Best Sustainable Water Management Award



FICCI Best Green Processes Award



UPL Vietnam Plant awarded with Gold Award for Green Factory



Thank you

Queries may be directed to: **Dr. Mritunjay Chaubey**

Address: UPL Limited, UPL House, 610 B/2, Behind, Off, Western Express

Highway, Bandra East, Mumbai, Maharashtra 400051

Website: www.upl-ltd.com