Environmentally-Friendly Products

To offer environmentally-friendly products to our customers, the KUBOTA Group is promoting measures to reduce environmental impacts at the R&D stage.

Development of environmentally-friendly products

Conducting product environmental assessment for designing environmentally-friendly products

In our effort to design environmentally-friendly products, we make it a rule to conduct an environmental assessment on products at the R&D stage to measure the environmental impact through the lifecycle of the products and to minimize that

impact.

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Product environmental assessment form

Primary areas covered by the product environmental assessment (in part)

Materials	Reduction of substances of environmental concern in materials and components; reduction in mass, volume, and the number of components; increase in the use of recycled materials; reduction in the use of rare materials
Production	Energy conservation; waste reduction
Physical distribution	Enhancement of ease of transportation; reduction of packing materials
Construction	Energy conservation at construction sites; resource conservation; reduction of environmental impact
Operation of equipment	Energy conservation; reduction of noise and vibration; improvements to durability
Waste disposal, recovery, reuse	Recycling; proper waste disposal
Information disclosure	Disclosure of materials and components; instructions for maintenance and disposal

Product group	Content and cases of involvement at the R&D stage
Tractors	Compliance with exhaust emission regulations; improvements in fuel-efficiency; reduction in the use of substances of environmental concern in painting and coating materials
Combine harvesters	Compliance with exhaust emission regulations; reduction of mass per horsepower
Rice transplanters	Reduction in the weight of new models; reduction in the use of in substances of environmental concern in painting and coating materials
Agriculture-related product	Development of products that require less fertilizer and agricultural chemicals; reduction in the use of substances of environmental concern in painting and coating materials
Agricultural facilities	Reduction in the weight of sowing machines (by 15% over KUBOTA's equivalent models); reduction in the use of substances of environmental concern in painting and coating materials
Construction machinery	Compliance with exhaust emission regulations; reduction of noise emitted by vehicles; improvements to fuel-efficiency by employment of an automatic idle elimination system
Engines	Compliance with exhaust emission regulations; reduction of fuel consumption, noise, and vibration; development of biodiesel-compatible engines
Ductile iron pipes	Reduction of VOC emissions by applying non-solvent coating to the inside of pipes in place of solvent coating
Valves	Enhancement of durability of sheets; reduction of weight to increase ease of installation; reduction in use of alloys containing lead
Drainage pipes	Reduction of materials used for installation of drainage system products; improvement of work environment during drainage pipe installation; reduction of drainage noise
Service water and sewerage-related	Improvement of energy efficiency of sewage treatment equipment; reduction of weight of machines that dewater sludge
Recycling-related	Reduction in energy consumption by enhancing performance of shredders
Pumps	Reduction in energy consumption at customers' sites by enhancing performance of volute pumps
Membrane business-related	Development of energy-saving membrane devices and energy-generating units; removal of lead from PVC parts for submerged membrane units/components
Septic tanks	Reduction in electricity consumption by septic tanks for home use (by 50% and 30% over KUBOTA's existing models for use by five and seven people respectively)
Plastic pipes	Development of more durable products (PE pipes and joints); development of biomass plastic products
Cast steel	Reduction in energy consumption and CO₂ emissions at customers' sites by adopting higher-performance reaction pipes
Rolls	Improvement of resource- and energy-saving efficiency at customers' sites by adopting longer-life rolls for sheet-rolling mills
New material	Reduction in fuel and water consumption at the production process; control of waste generation at the production process; prevention of water pollution
Steel pipes	Reduction of construction work time (to reduce CO ₂ emissions and fuel consumption); reduction of waste soil during construction work
Electrical equipment	Enhancement of the energy-saving efficiency of platform scales; reduction of substances of environmental concern in painting and coating materials
Vending machines	Enhancement of energy-saving efficiency of canned beverage vending machines (reduction of electricity consumption by 40% over the 2005 level)
Air-conditioning equipment	Reduction of fan noise; reduction of substances of environmental concern; efficient use of waste heat

Ratio of models with reduced RoHS-designated substances

The ratio of KUBOTA models with reduced RoHS-designated substances* is 24.1% in FY2009 as against the target of 25%.

^{*}The ratio of the value of shipped products that contain RoHS substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) equal to or less than the threshold limits (except the application falling under the exemptions in RoHS and ELV Directives) against the total value of shipped products (excluding plants, facilities, work and services) manufactured in Japan during FY2009.