



## Brother Group's commitment to Aichi Biodiversity Targets

As of March 31, 2019

The Aichi Biodiversity Targets represent the global targets that adopted at the tenth meeting of the conference of the Parties to the Convention on Biological Diversity (COP10) in a bid to realize a world of "Living in Harmony with Nature" by 2050. 20 individual targets were set as short-term (2011-2020) targets. In March 2015, the Four Electrical and Electronic Associations<sup>1\*</sup> Biodiversity Working Group, of which Brother Industries, Ltd. is a member, identified eight items closely related to the industry, and can work on and make more significant contributions through active promotion. The Action Guidelines for Biodiversity Conservation in the Electrical and Electronic Industries were released and the Brother Group has implemented various efforts in line with the guidelines.

### Action Guidelines for Biodiversity Conservation in the Electrical and Electronic Industries and the status of the Brother Group's activities

Aichi Biodiversity Targets	Action Guidelines for Biodiversity Conservation in the Electrical and Electronic Industries	Status of the Brother Group's activities
<p><b><u>Target 1:</u></b> <b><u>Awareness increased</u></b></p> <p>People recognize the value of biodiversity and related activities.</p>	<p>Member companies will conduct employee education on biodiversity wherever possible so that the importance of biodiversity conservation will be widely recognized. Member companies will also contribute to raising public awareness of information about their conservation activities through by cooperating with other stakeholders.</p>	<ul style="list-style-type: none"> <li>•The biodiversity basic policy was established based on the Brother Group Environmental Policy, and all employees were informed of the policy.</li> <li>•The eco point program and Click for The Earth donation program have been promoted. Employees and their families, as well as customers, have been encouraged to work on eco-conscious actions, and have been solicited to participate in biodiversity-related activities, etc., thereby raising environmental awareness and expanding the scope of the programs.</li> </ul>
<p><b><u>Target 4:</u></b></p>	<p>Member companies will conduct the following activities in their production activities and supply</p>	<ul style="list-style-type: none"> <li>•Resource conservation has been promoted, with reductions in size and weight,</li> </ul>

<p><b><u>Sustainable consumption and production</u></b></p> <p>All parties concerned implement their plans for sustainable production and consumption.</p>	<p>chains at each life-cycle stage wherever possible, in order to achieve sustainable consumption and production. Continuous efforts to reduce CO2 emissions in the production process</p> <p>The provision of products and services that contribute to achieving a low-carbon society</p> <p>Reducing the volume of waste to be landfilled</p> <p>The 3R activities (Reduce, Reuse and Recycle)</p> <p>The procurement of biodiversity-friendly materials, etc.</p>	<p>collection, and recycling of products in mind, from the development phase.</p> <ul style="list-style-type: none"> <li>•CO<sub>2</sub> emissions have been reduced by increasing the energy-saving performance of electronic circuits, implementing energy-saving functions, etc., thereby promoting the prevention of global warming.</li> <li>•ISO 14001 was introduced at respective business sites. Environmental conservation activities involving all employees (e.g. energy and resource conservation, chemical substances control, waste management, water saving, prevention of pollution) have been promoted to reduce impacts on ecosystems.</li> <li>•Efforts have been made to reduce CO<sub>2</sub> emissions and prevent global warming by increasing efficiency in energy use (e.g. electricity and fuel) at business sites and shifting to substances whose global warming coefficient is small, etc., thereby mitigating climate change and impacts on ecosystems.</li> </ul>
<p><b><u>Target 5: Habitat loss halved or reduced</u></b></p> <p>The loss of natural habitats including forests is at least halved, and degradation and fragmentation are significantly reduced.</p>	<p>Member companies will, wherever possible, take social actions and conduct biodiversity-conscious management of green spaces within their business premises, as well as promote the creation of ecosystem networks around the business premises, in order to protect habitats and reduce the degradation and fragmentation of habitats.</p>	<ul style="list-style-type: none"> <li>•In the U.K., Brother has supported reforestation activities at a former quarry site, and provided opportunities to learn that reforested areas are inhabited by various animals and plants.</li> <li>•In Inner Mongolia, Brother has worked on a project to prevent desertification and promote greening, and planted seedlings of Russian olive (<i>Elaeagnus angustifolia</i>), a plant well adapted to the desert environment and saxaul (<i>Haloxylon ammodendron</i>) which is resistant to dry conditions.</li> </ul>
<p><b><u>Target 8: Pollution reduced</u></b></p> <p>Pollution caused by chemical substances, fertilizers, and pesticides is reduced</p>	<p>Member companies will strive for the appropriate management of chemical substances from a global perspective and reduce adverse effects on ecosystems wherever possible, in order to prevent pollution that is</p>	<ul style="list-style-type: none"> <li>•Member companies will strive for the appropriate management of chemical substances from a global perspective and reduce adverse effects on ecosystems wherever possible, in order to prevent pollution that is detrimental to ecosystems and biodiversity.</li> </ul>

<p>to the extent that is no longer harmful.</p>	<p>detrimental to ecosystems and biodiversity.</p>	
<p><b><u>Target 9:</u></b> <b><u>Invasive alien species prevented and controlled</u></b></p> <p>Invasive alien species are controlled or eradicated.</p>	<p>Member companies will actively work on the eradication of invasive alien species, the prevention of the introduction of invasive alien species and awareness-raising activities about the problem, particularly in the transportation of their products, in the management of green spaces within their business premises and in their social actions, in order to prevent the impacts caused by invasive alien species.</p>	<ul style="list-style-type: none"> <li>•Taiwan Brother Industries, Ltd. removed Mikania micrantha (a climbing annual plant of Asteraceae) and ran an environmental education program to prevent damage caused by the rapidly-proliferating alien species at Kaohsiung Metropolitan Park.</li> </ul>
<p><b><u>Target 11:</u></b> <b><u>Protected areas increased and improved</u></b></p> <p>At least 17% and 10% of the land and marine areas are designated as protected areas, etc. for conservation.</p>	<p>Member companies will, wherever possible, conduct biodiversity-conscious green space management which contributes to protected areas within their business premises and on land owned by their companies, as well as conduct conservation activities in protected areas outside their company premises, in order to expand protected areas that are important for biodiversity.</p>	<ul style="list-style-type: none"> <li>•In Central and South America (e.g. the Republic of Peru), Brother has supported activities to conserve tropical rainforests and protect habitats of endangered wild animals in the Amazon Basin.</li> <li>•In Thailand, Brother has supported protection and recovery of local mangrove forests, and planted seedlings. As the mangrove forests have grown, the number of species of birds and aquatic animals has increased.</li> </ul>
<p><b><u>Target 14:</u></b> <b><u>Ecosystems and essential services safeguarded</u></b></p> <p>Ecosystems that offer the blessings of nature are restored and conserved.</p>	<p>Member companies will conduct activities for conserving and restoring ecosystems wherever possible, so that ecosystem services can be used sustainably.</p>	<ul style="list-style-type: none"> <li>•Based on a survey on its premises, Mie Brother Precision Industries, Ltd. (Mie Brother) has removed alien species and protected and cultivated native species in order to build a rich forest that increases ecosystem diversity. This forest has been named “Saiku Kobushi-no-Mori Mie Brother - Resource Cycling Manufacturing Facility in Harmony with Nature” to reflect the vision of promoting environmental conservation activities in its business operations.</li> <li>•In Slovakia, Brother has worked on a reforestation project in the High Tatra mountains where more than three million trees were lost due to a severe storm.</li> </ul>

<p><b><u>Target 19:</u></b> <b><u>Knowledge</u></b> <b><u>improved, shared</u></b> <b><u>and applied</u></b></p> <p>Relevant knowledge, science and technology are improved.</p>	<p>Member companies will work on the development and dissemination of monitoring technologies which use ICT as well as promote the accumulation of data through biodiversity monitoring wherever possible, in order to improve knowledge, the scientific base and technologies relating to biodiversity.</p>	<ul style="list-style-type: none"> <li>• In Australia, Brother has supported a survey on the biology and ecology of manta rays (<i>Manta birostris</i>) which are an icon of Australia's oceans and seas and assessed the impact of marine debris on sea turtles (endangered species), in order to understand and conserve the country's unique ocean environment.</li> <li>• In Gujo, Gifu, Japan, Brother has planted seedlings of indigenous deciduous trees such as <i>Quercus serrata</i> Murray and <i>Quercus crispula</i> Blume as well as <i>Magnolia salicifolia</i> (willow-leafed magnolia), which is designated as the city flower of Gujo, etc. on a former ski ground by utilizing the eco point program. Brother has conducted a survey about the impact of this activity on the ecosystem and started to review the model of afforestation activities to restore the ecosystem.</li> </ul>
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\*: The Four Electrical and Electronic Associations consist of the Japan Electrical Manufacturers' Association, the Japan Electronics and Information Technology Industries Association, the Communications and Information network Association of Japan, and the Japan Business Machine and Information System Industries Association.