



Facts about Xerox Toner, Vegetable based inks and Generic consumables

Vegetable based inks

- Our customers sometimes wonder how our toners compare to vegetable based inks such as “soy inks”. The use of soy-based inks is desirable in traditional offset printing because, by substituting the soy oil for part of the petroleum oil, volatile organic emissions are reduced. Unlike some liquid ink technologies used in the industry today, with Xerox dry toners there is no use of petroleum distillates. Petroleum distillates are combustible, produce oil waste that needs to be carefully managed, and potentially contribute to volatile organic compound (VOC) emissions in the work environment.
- In contrast, the Xerox production presses such as iGen use dry toners, not liquid inks. Xerox toners are fine powders composed of plastics, colorants and small quantities of functional additives. Since Xerox toners are safe and non-toxic and because Xerox products are designed to adhere to strict emission standards, emissions of volatile organic compounds during printing should not be a concern (as it might be in offset printing and some digital liquid ink technologies).
- Xerox is exploring bio-based raw materials for toner applications and considers the entire life cycle of the product for environmental impact starting from the growing of the plant, if the plant is a food source, and how to convert the plant ingredients to polymers to the transportation, manufacturing, usage, and end-of life treatment of the product. Any soy-based toners in the market today are being used for office mono; we know higher end color engines have more stringent requirements and it will take time to develop bio toners for that application.

Generic Consumables

- Generic consumable manufacturers may claim that their supplies meet or even exceed our specifications but these claims are not verified. Original Equipment Manufacturers (OEMs) like Xerox and other world-class companies adhere to industry-standard ISO methods when testing their products. Third-party manufacturers simply don't do that. Xerox supplies are engineered right along with Xerox printers and MFPs for superior quality and reliability. Other manufacturers can't offer our integrated design and strict quality control. What's more, our formulas are proprietary. No other company owns rights or has access to our specifications. Therefore no one can claim to meet or exceed them.

Responsible Printing

- Xerox provides a comprehensive package for enabling responsible printing, from product design to end-of-life management. Prints made with Xerox dry ink toners are readily recyclable using standard de-inking processes. As for empty toner bottles and cartridges, Xerox provides a mechanism for customers to return the bottles for recycling via our Green World Alliance – see www.xerox.com/gwa.
- Xerox has also been recycling waste toner material for many years in two ways:
 - As part of the manufacturing process, conventional toner that doesn't meet the size specifications is recycled back into the toner making process.
 - Each year, over 1 million lbs of post consumer waste toner is returned to Xerox from selected products, where it is “recycled” back into the manufacturing process and is reused.
- Xerox's advanced toner and solid inks further reduce the environmental impacts of printing:
 - Emulsion Aggregation toner found in many of our newer products reduces the energy investment page compared to conventional toner. This is achieved because, compared to conventional toner, more prints can be made per pound of EA toner.
 - Solid ink products are cartridge-free and produce up to 90 % less waste than comparable laser products.
- The environmental impact associated with any product is complicated to assess, and can not be accurately determined by considering a single aspect of the product. Xerox looks to all aspects of a product when developing solutions to meet customer requirements.

For more information about Xerox's environmental programs, visit www.xerox.com/environment