A BAN on single-use plastic shopping bags in South Australia has been hailed a success with 200 million bags stopped from ending up in landfills in the first six months.

Premier Mike Rann said shoppers had been quick to embrace the change introduced in May.

He said research showed that nine out of 10 shoppers were now in the habit of taking reusable bags with them when they went grocery shopping.

"Remembering to bring your own shopping bags is now a normal part of daily life - the change has really gone without a hitch," Mr Rann said.

"I congratulate South Australia's shoppers for embracing our bag ban.

"They've shown they are happy to change old habits for the sake of our environment."

Environment Minister Jay Weatherill said before the ban hundreds of millions of supermarket-style plastic bags had entered the waste and litter stream each year.

South Australia has urged other states to introduce a similar ban on single-use bags, with support also coming from environmental groups.