

variable as well as more accurate measurements of surface water area.

1.7.3 Aquatic - Canada

Approximately 52,000 km² of surface water area is estimated to be at risk in areas with deposition exceeding 20 kg/ha.yr. Of this total, about 54% (28,000 km²) is located in areas with a low potential to reduce acidity (high sensitivity). The inventory could be improved by better data availability on actual surface areas of waters and kilometres of rivers and streams. Moreover, actual data on aquatic alkalinity and aquatic biota will be required to define more accurately the extent of the resource at risk.

1.7.4 Agriculture - United States

Major crops in the eastern U.S. (corn, soybeans, hay, wheat, tobacco and potatoes) are grown under varying sulphate deposition regimes. Soybeans and tobacco are the only ones, however, with approximately 20% of their yield grown under sulphate deposition greater than 40 kg/ha.yr. For the other crops, less than 10% of their total yield is grown under sulphate deposition greater than 40 kg/ha.yr.

1.7.5 Agriculture - Canada

Many of Canada's most valuable crops are grown in areas of high deposition. These include both grains and vegetables. Importantly, for 6 of the 12 crop types included in the inventory, more than 50% of their individual total yields is grown in areas where sulphate deposition exceeds 40 kg/ha.yr. Only 4% or less of each crop is grown in areas experiencing annual deposition levels of 10-20 kg/ha.yr sulphate in precipitation.

1.7.6 Forests - United States

The annual forest growth in those states east of the 100° meridian in 1977 was 476 million m³. Approximately 10% of this combined hardwood and softwood growth occurs under sulphate deposition regimes greater than 40 kg/ha.yr. Over 75% of the growth occurs under sulphate deposition regimes between 20-40 kg/ha.yr.

1.7.7 Forests - Canada

Canadian forest growth occurs in a slightly different pattern than in the U.S. Of the total annual yield of 150 million m³, about 10% of the hardwood growth is located in the highest deposition area, but only 1% of the softwood growth and 8% of the mixed growth.