

or medium soil can be easily leached out and removed into deep soil layer during the watering or during the rainy season, but the salts in the heavy or clay soil can not be easily leached out. Therefore the light or medium loam may be regarded as an ideal soil suitable for irrigation with bitter water. After irrigation with bitter water for many years, the salt content of light or medium soil profile is still about 0.20% or so. In order to control soil secondary salinization, we must pay attention to control irrigation norm and to avoid inundation method with a large quantity of water to irrigate the large area of land. The land may be divided by us into some small plot about 0.5—0.7 mu so as to control irrigation norm. During the crop development period about on May-10th every year, it is necessary to irrigate the land due to lack of moisture in the soil. The watering land must be irrigated to saturated condition at first time. About at intervals of 7—10 days, we must continuously carry on the second time or the third time irrigation to moisten the surface of land for a long time. Through three times irrigation with bitter water, the large amounts of soluble salt on the surface layer are leached out and removed into deep soil layer. The salt content of soil surface layer may be greatly reduced by 50—70% in total salt content. When the crops grow up, it will tolerate more salt content, as such we would get the good harvest of the crops.

The other methods to control soil secondary salinization will be described as follows, 1. Planting green manure crops or manuring organic fertilizer. 2. Winter irrigation. 3. Inundation land with flooding water. 4. Planting tolerant salt crops. 5. Deep tillage for drying plow slice. 6. According to ionic equilibrium theory of potassium and sodium to control sodium ion to harm the crops.

简讯

中国科学院西北水土保持研究所青年科技协会成立

为活跃研究所的学术气氛,加速培养青年科技人才,中国科学院西北水土保持研究所于1987年1月成立所青年科技协会。这个协会的成立,展示出青年一代科技工作者献身于我国水土保持科学事业的满腔热情,表达了全所100多名青年科技工作者的共同愿望。为使该协会能得到健康地发展,他们聘请了热心培养青年人才工作的老专家或学术带头人兼任顾问,并在所党委、所长办公室、所学术委员会及所团委的帮助指导下,开展各种有积极意义的学术活动。该协会自成立以来,还编印了不定期内部科技刊物《青年科技通讯》,通过广泛交流,受到了所内外青年会员的一致好评。

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