

Weeds and upland rice

Cropping systems based on plant cover: a solution ?

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In the fragile upland ecosystem of Northern Vietnam, weed, soil and cropping systems management as well as agriculture-husbandry relations are strongly interdependent. In that case,

SAM project (CIRAD-VASI-IRD) is studying weed management opportunities using cropping systems based on cropping with plant cover (SCV).



Principales étapes



Bracharia ruziziensis



Spray of herbicide and direct sowing in the mulch

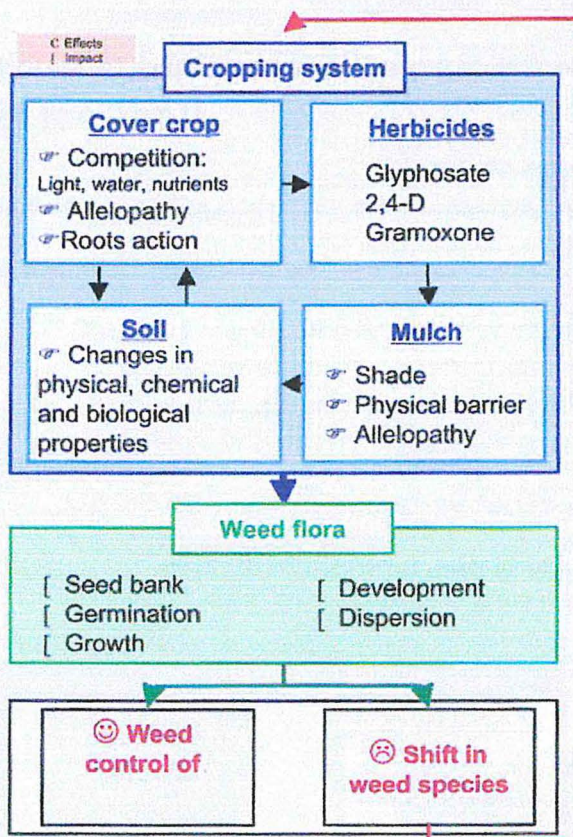


Rice germination in mulch of *Bracharia ruziziensis*



Upland rice and mulch of *B. ruziziensis*

Principles of weed management through SCV



Consequences:

- ▶ **Labour input reduction:** soil preparation and hoe weeding are replaced with cover crop and herbicide.
- ▶ **Yield improvement**
- ▶ **Adjustment of the cropping system,** after one or more cycles, according to the shift in weed flora.

