

## SCN Working Group on Micronutrients: Information Sharing Template for 2006 and Earlier Activities

**Table 1: Demographic Information**

Reporting Individual	Junshi Chen
Institution/Organization	Food Fortification Office, Chinese Center for Disease Control and Prevention
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Position	Director
Major focus of activities	Support to others, Research, Policy/Advocacy, Programming/Interventions
Summary of Activities	The application of iron fortified soy sauce for controlling iron deficient anemia in China is a nationwide program supported by GAIN and Chinese government. In the last 3 years, the program activities include health education, social marketing, coverage and biological monitoring, and quality control. Experience showed that industry participation is critical while government support and health care system as the main working force are also key to the success. Significant reduction of anemia prevalence was seen in the project areas.

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**Table 2: Measurement, assessment, monitoring and reporting micronutrient deficiencies**

Geographic area(s) covered by this table	China														
Project Name	The application of iron fortified soy sauce for controlling iron deficient anemia in China														
Supporting Agencies	GAIN, the Chinese government														
	Micronutrients														
	Iodine	Iron	Folate	Zinc	Calcium	Vit A	Vit B-12	Vit C	Vit D	Vit B-1	Vit B-2	Vit B-3	Vit B-6	Vit K	Vit E
<u>Activities</u>															
<i>Prevalence Assessment</i>		X													
<i>Training/Capacity Building</i>		X													
<i>Monitoring and Evaluation</i>		X													
<i>Analysis and Reporting</i>		X													

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**Table 3: Food Fortification**

Geographic area(s) covered by this table	China														
Project Name	The application of iron fortified soy sauce for controlling iron deficient anemia in China														
Supporting Agencies	GAIN, the Chinese government (MOH)														
Approximate # of subjects or beneficiaries for each project described	24.5 million of at-risk population were covered in 7 project provinces in the last 3 years. At present, 19 soy sauce companies are designated producers and 204,760 tons of NaFeEDTA fortified soy sauce were produced and sold.														
	Micronutrients														
	Iodine	Iron	Folate	Zinc	Calcium	Vit A	Vit B-12	Vit C	Vit D	Vit B-1	Vit B-2	Vit B-3	Vit B-6	Vit K	Vit E
<b><u>Commodities</u></b>															
<b><i>Soy Sauce</i></b>		X													
<b><i>Policy and Advocacy</i></b>		X													
NaFeEDTA was permitted for soy sauce fortification by MOH and included in the national standards. MOH and local government issued relevant documents to promote iron fortified soy sauce. Various steering groups were formed at provincial level which comprised of all stakeholders.															
<b><i>Operational Research</i></b>		X													
Research focus on the whole process of applying iron fortified soy sauce to control iron deficient anemia, including fortificant marketing and supplying, training and quality control, health education (KAP), social marketing (training industry marketing force) and monitoring (population coverage and anemia prevalence); as well as the “two wheels” models (CDC system and soy sauce producers).															
<b><i>Communication Support</i></b>		X													
All types of tools were used at national and local levels, including TV, radio, newspaper, journal, poster, lecture, calendar, etc. It was found that TV programs are the more effective means of communication to raise the awareness of iron deficiency and iron fortified soy sauce in all subpopulations.															
<b><i>Marketing Support</i></b>		X													
Local CDCs and soy sauce producers work together to promote iron fortified soy sauce marketing; social marketing experts trained industry															

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marketing force, including sales teams. Retailer participation plays an important role in marketing and distribution of iron fortified soy sauce.

**Table 3 (continued): Food Fortification**

	Micronutrients														
	Iodine	Iron	Folate	Zinc	Calcium	Vit A	Vit B-12	Vit C	Vit D	Vit B-1	Vit B-2	Vit B-3	Vit B-6	Vit K	Vit E
<b><u>Activities Cont.)</u></b>															
<b><i>Provision of Fortification Equipment</i></b>		X													
Small equipments (e.g. mixing tanks, pipes) were provided to a few soy sauce producers in under-developed and high risk regions.															
<b><i>Provision of Fortification Supplies</i></b>		X													
NaFeEDTA was provided to all participated soy sauce producers at their own expenses, in order to ensure the quality of fortificant; only a few smaller producers in under-developed regions received free NaFeEDTA at the initial phase.															
<b><i>Fortification Monitoring and Evaluation</i></b>		X													
Biological monitoring was carried out in designated sentinel sites (4 site each province), including KAP questionnaire and hemoglobin measurement at baseline and every year after the program was launched.															
<b><i>Quality Assurance/ Quality Control for fortified foods</i></b>		X													
<b><i>Fortification project size</i></b>															
<b><i>Community Effectiveness Trials</i></b>		X													
<b><i>National/Regional Program</i></b>		X													
<b><i>Emergency Area</i></b>															
The first phase (demonstration phase, 3 years) covered 7 provinces; the planned second phase (nation-wide roll out phase, another 3 years started from mid-2007) will cover 17 provinces in China.															