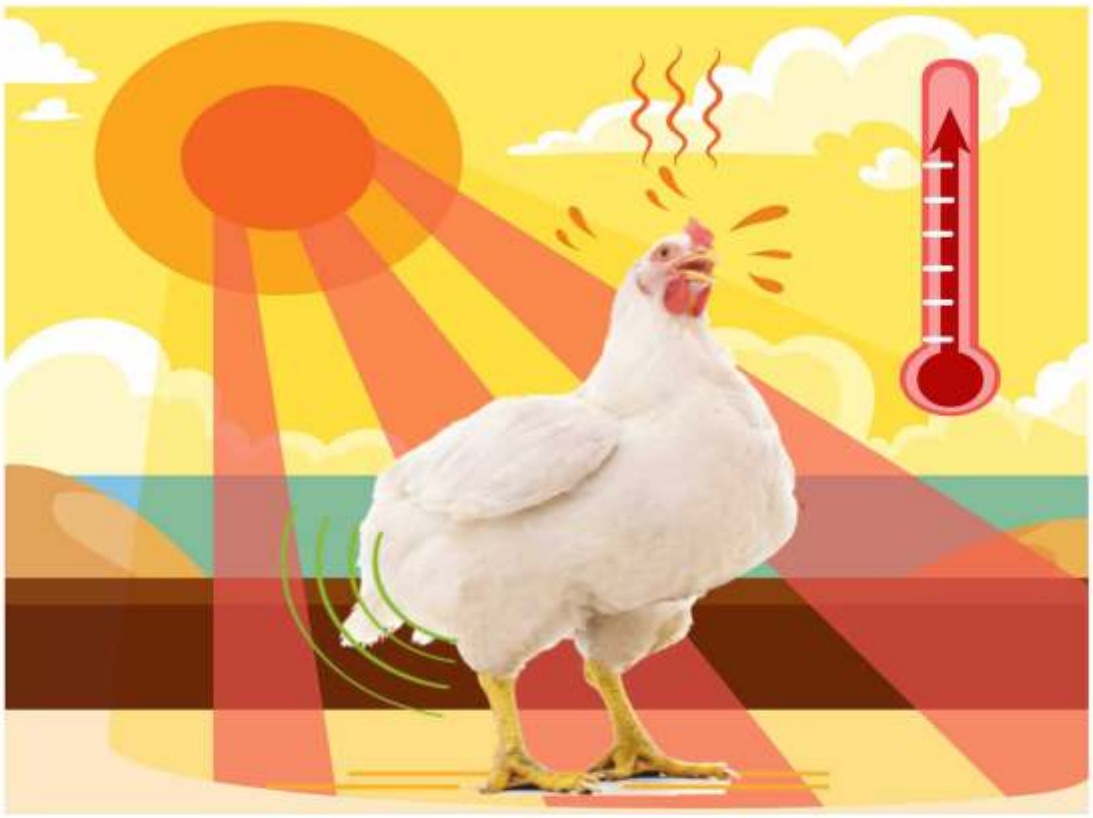
A.R.S™



Healthy Birds Produce
Healthy Food Products
for the Nation

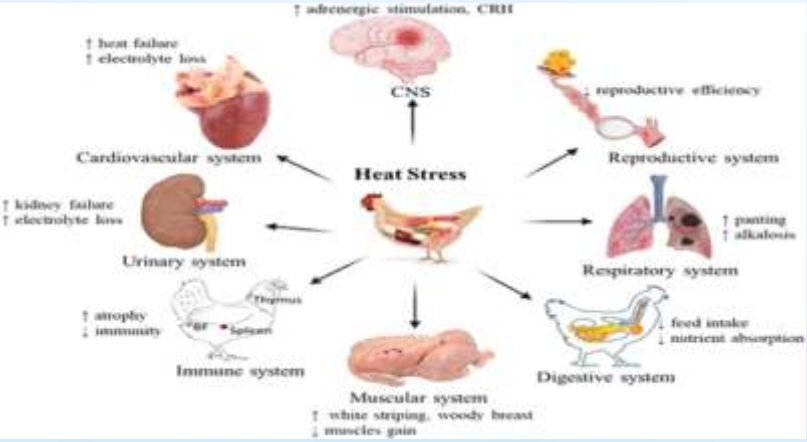
B.S. GROUP OF COMPANIES
1952

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Control the heat with

A.R.S™

Heat stress in poultry, is a major challenge, occurs when birds struggle to maintain a balance between body heat production and heat loss, leading to negative impacts on health, production, performance and welfare. Mitigation strategies, include environmental management and dietary adjustments, and are crucial to minimize the negative effects of heat stress.



Causes of Heat Stress in Poultry :

High environmental temperature: Poultry are particularly vulnerable to heat stress when temperatures rise above their thermoneutral zone (typically around 33 to 34 ° C in India).

High humidity: High humidity reduces the bird's ability to dissipate heat through evaporation, exacerbating heat stress.

Lack of proper ventilation : Insufficient ventilation can lead to a build up of heat and moisture in the poultry house, further contributing to heat stress.

Poor stocking density in broilers on deep litter : Overcrowding can increase heat production and reduce the ability of birds to access coolwater.

Lack of shade and access to cool water : Insufficient shade and access to cool water can make it difficult for birds to regulate their body temperature.

Effects of Heat Stress on the birds :

Reduced growth and egg production : Heat stress can significantly decrease growth rates in broilers and egg production in laying hens.

Lower meat and egg quality : Heat stress can negatively affect meat quality (e.g., dark, firm, and dry meat) and egg quality (e.g., reduced eggshell thickness).

Increased mortality : Severe heat stress can lead to increased mortality rates, especially in young birds.

Impaired immune function : Heat stress can weaken the immune system, making birds more susceptible to diseases.

Changes in behaviour : Heat-stressed birds may exhibit behavioural changes, such as increased water consumption, reduced feed intake, increased panting, and wing-flapping.

MANAGEMENT OF HEAT STRESS :-

Dietary Adjustments :

Nutrient-dense diets : Provide birds with nutrient-dense diets to compensate for reduced feed intake during heat stress.

Electrolyte supplementation : Supplement the diet with electrolytes to help maintain fluid and electrolyte balance.

Antioxidants : Provide antioxidants to help protect against oxidative stress.

Vitamin C : reduces the stress and suffering in the birds

Probiotics : Consider using probiotics to improve gut health and immune function, along with Instant energy base containing polysaccharides gives instant relief.

Other Management Practices that help control Heat Stress :

Proper litter management : Maintain clean and dry litter to promote dust bathing, which can help cool birds.

Early detection and intervention: Regularly monitor birds for signs of heat stress and take prompt action to address the problem.

Use of A.R.S. for all types of birds during summer and hot weather periods :

A time tested and result oriented blend of Electrolytes, Buffering Acids, Vitamin C, Lactobacillus, enriched with polysaccharides gives the birds an edge over other products to adjust to the rising temperature, helps birds to overcome the negative impact of the heat and reduce their suffering. Every ingredient contained in A.R.S. individually and in combination of the others work together to reduce the birds suffering.

A.R.S. Composition :

Each 1 Ltr. Contains:		
Vitamin C	:	0.16gm
Sodium bi carbonate (Electrolytes)	:	1gm
Sodium Chloride	:	2.5gm
Potassium Chloride	:	5gm
Sodium Salicylate	:	0.1gm
Manganese Sulphate	:	0.75gm
Calcium Lactate	:	1.7gm

Enriched with polysaccharides.



Indications:

To prevent dehydration due to heat stress

To reduce mortality

Improves Immunity

Usage Instructions :

1ml/1-2 ltr of water or

As recommended by the

Veterinarian

Presentation :

1 Ltr., 5 Ltr., 25 Ltr.

POULTRY FEED SUPPLEMENT
NOT FOR HUMAN / MEDICINAL USE



Manufactured By:

B.S. Biotech Pvt. Ltd.

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